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# Farm and Ranch Review

VOL. XLI  
No. 4

CALGARY, ALBERTA  
APRIL, 1945



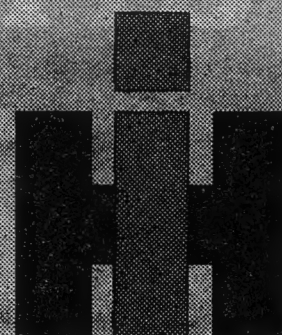
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**INVEST  
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Thirteenth Annual Session

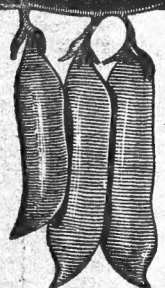
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## NEW VEGETABLE SOYBEAN



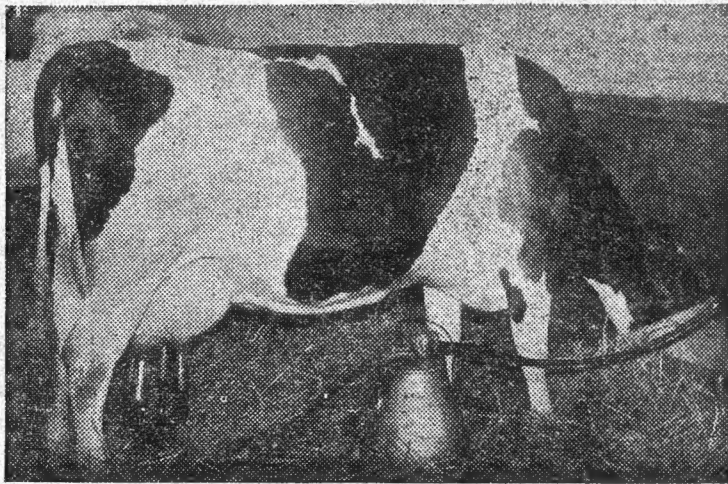
Unquestionably the most valuable vegetable introduction of our generation is New Blackeye Vegetable Soybean, developed at Central Experimental Farm. Amazing merits already proven in thousands of Canadian homes by our customers since introduced in 1941. Without equal as a human food. Four times as much protein as wheat, rice or eggs, and twice as much as peas, pork or beef. Fat content equals beefsteak, and higher than pork.

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(Pkt 10¢) (1/4 lb 18¢) (1 lb 45¢) postpaid. (Larger quantities by Express, not prepaid, at 35¢ per lb)

FREE—OUR BIG 1945 SEED AND NURSERY BOOK—Leads Again 53W  
DOMINION SEED HOUSE, GEORGETOWN, ONT.

# Alberta Holstein Is World Champion



ALCARTRA GERBEN — MAKES DAIRY HALL OF FAME

THE world's butterfat production record for a cow of any age, any breed, returned to Canada on March 24, 1945, when the six-year-old Holstein, Alcartra Gerben, owned and developed by Hays and Company, Calgary, completed a 365-day production of 1,409 pounds of fat, equivalent to 1,761 pounds of butter.

The outstanding mark set by the Alberta cow recaptures the crown held since 1926 by the American cow, Carnation Ormsby Butter King, and Alcartra Gerben becomes the third Canadian cow to establish a world's record, and the first in Alberta to attain this eminence.

Stabled with the new champion on the Hays farm is another world-beater, reported in the March issue of the REVIEW as having set her own record for both milk and butterfat production on twice-a-day milking.

Alcartra Gerben's production record was made on four milkings daily. Her yield continued uniformly high throughout the year of the test and she finished the big score in remarkably fine condition and bloom.

HAYS & Company. were hosts to several hundred persons who visited the farm to witness the final

milking—the 1,460th of the test. Included in the large number who later attended the reception and banquet at the Palliser Hotel were leaders in agriculture and the dairying industry from many parts of Canada.

(Continued on page 25)

## Give Dairy Heifers Good Start in Life

W. D. DAVIES, Production Service, Dominion Department of Agriculture, says the most exacting task of the dairy farmer is to grow good dairy heifers. Dairy heifers, to give best results as mature animals should be fed in such a way that they will obtain all their growth without carrying any excess fat.

As calves, they should be fed moderate amounts of whole milk during the first three weeks of their lives. This diet is generally changed to a skim milk ration by the time the calves are six weeks old.

Good legume hay should be fed from the time the calves begin to nibble. This diet is designed for growth—rather than to build fat—and will keep the calves in a healthy, active condition. A heifer that has been properly raised in the first few months of its life will develop into a good useful cow.

## Farm Land Values Advancing Less Now Than in Years of First War

Official records indicate that land values in Canada have increased, on the average, about 12 per cent since 1939. There are many sections of the country where little or no change has occurred. Saskatchewan, British Columbia, Nova Scotia, and Prince Edward Island each report less than 7 per cent increase; Manitoba, Alberta, and New Brunswick less than 15 per cent. The increase in Ontario on the contrary has been 22 per cent and in Quebec 32 per cent.

In all provinces there are local areas where a considerable interest in land has been evident. Nearer the larger urban centres some farms are being acquired by city people.

For a number of reasons, land values have risen less in this war than during the last. They include the difficulties experienced in the inter-war period, completion of the important phase of pioneer development, and latterly, inflation control.

### Farmers Paying Debts

Surplus farm income is now being used to retire indebtedness and to create reserves in cash and convertible

investments. There has been a gratifying increase in the purchase of Victory Bonds. As a result many farmers will be in a position to purchase machinery and other farm and home facilities when restrictions on manufacture are removed.

It should not be assumed, however, that there is no further danger of land value inflation. The prices of farm products are relatively satisfactory and production has increased enormously. There is more money in the country than for a good while. As a result there was more interest in land during 1944 than in any year since 1939. What has thus far represented a desirable recovery from the very low levels of the 1930's, could become a speculative movement of real significance.

A healthy land market is a good thing for agriculture. It is essential to progress. But speculation is another matter. If we are to avoid a repetition of what happened from 1914 to 1920—and the distress that followed—the exercise of restraint and good judgment will be necessary in the months and years ahead.

## FIGHT SMUT-BUNT - STRIPE DISEASE-ROOT ROT, ETC.



Seed treatment with CERESAN costs less than 3 1/2¢ per bushel. Prevents loss from seed and certain soil borne diseases—generally gives better stands of all grains.



## CERESAN

Seed disinfectant for WHEAT, OATS, BARLEY, FLAX

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CANADIAN INDUSTRIES LIMITED  
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## Buy More Victory Bonds!

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## KNOW YOUR FIGURE!

Before sending in your order form for dresses, foundation garments, coats, or suits, look well to your figure. Consult the figure chart given on page 336 of your EATON Catalogue. Under which of the six classifications do you come? We list them briefly for you here:

- Juniors' Figure**—A youthful figure 5' 3" and under in height.
- Misses' Figure**—A youthful figure 5' 4" to 5' 8" in height.
- Little Women**—The well-developed short figure, 5' 3" and under in height.
- Regular Women**—The normal average figure, 5' 3" to 5' 8" in height.
- Short Full Figure**—The short full-busted figure, 5' 3" and under in height.
- Full Figure**—The large, erect, full-busted figure, 5' 4" to 6' in height.

For the better appearance resulting from properly fitting garments be figure-conscious before placing your order.

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WINNIPEG CANADA

## EATON'S



# Shelter Belts Transform Farm Homes, Protect Crops and Reduce Soil Drifting

By JOHN WALKER

Superintendent Forest Nursery  
Station, Indian Head, Sask.

**B**EFORE the season is far advanced prairie farmers might think of the specific benefits which accrue from planting trees. These benefits may be noted, first, in direct statements of fact, and, second, in the testimony of a number of successful prairie tree planters.

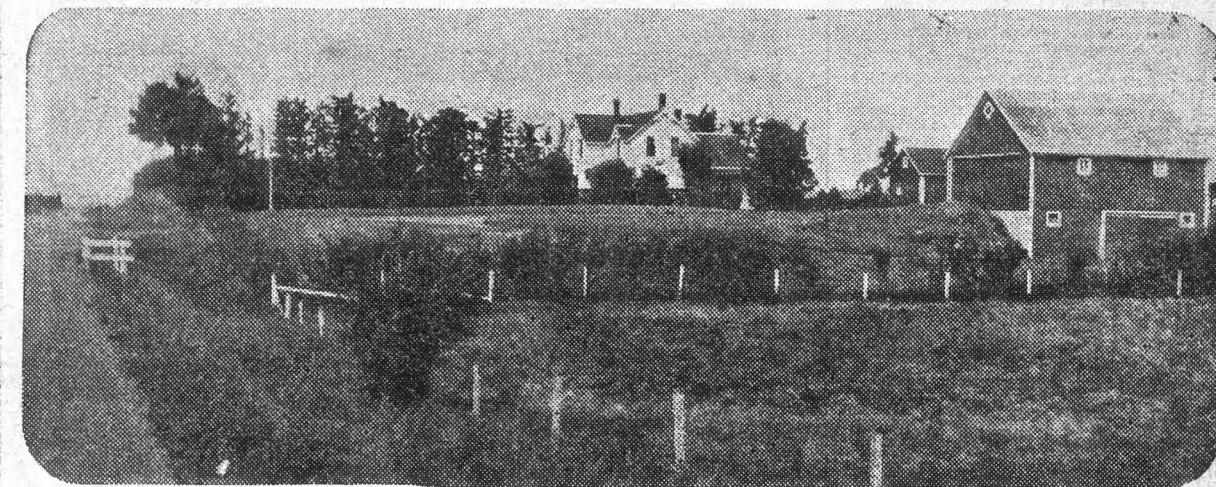
Trees planted for windbreaks, field shelterbelts, etc., are beneficial to prairie farms because:

1. They protect farm homes, make them attractive, and reduce fuel consumption and costs;
2. They shelter livestock, and reduce feed requirements;
3. They reduce farming costs by producing fuel, fence posts, and other lumber at home;
4. They protect field crops, gardens, orchards and ornamental plants;
5. They improve farmstead appearance and prevent inconvenient snow accumulation;
6. They attract insect-eating, song and game birds;
7. They lessen soil drifting, and reduce water loss from soil, dugouts and dams.

On few farms sufficient trees have been planted to meet all purposes or to produce all the desired benefits. A bright, comfortable home in pleasant surroundings encourages a love for farm life.

## Soil Preparation

As a rule trees succeed best in land that has been under cultivation for a number of years. Seldom will new land, or land which has been in sod some years, be in suitable condition for tree planting after only one season of cultivation and summerfallowing.



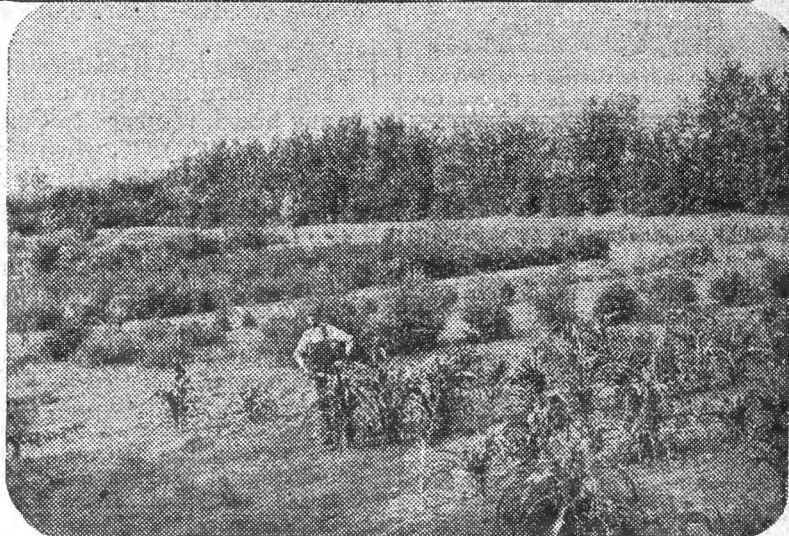
## IMPROVED PRAIRIE HOMES

*The White spruce windbreak and neat hedges afford all-year protection for the attractive Lacombe home seen above. Vegetables and small fruits are grown in abundance, even in comparatively dry years in the well-sheltered garden at Esther, Alta., pictured at the right.*

Cultivating such land for two seasons before planting is attempted is sound policy.

Under prairie conditions trees should only be planted in good summerfallow land. The building up of a reserve of soil moisture before planting is attempted is assurance that trees have every chance to become established. Good growth the first year after planting means much as far as the future development of trees is concerned.

If planting is to be done in land which has been frequently manured for other crops, such as garden land, the addition of manure to the soil is not necessary. Extremely heavy soils, or those sandy in nature, may be im-



proved in physical condition by the addition of a generous application of rotted manure at the beginning of the summerfallow season. It should not be applied immediately before or at the time of planting the trees.

## Suitable Trees

With reference to trees suitable for prairie farm planting immediate environment as to soil, moisture, winter temperatures, etc., have to be kept in mind. For instance, in the chinook belt of Alberta trees like Maple (Box Elder), which respond very readily to spells of mild winter or spring weather, may suffer severe injury some years. Late spring frosts also may adversely affect growth of Green Ash.

The effect of late summer irrigation may also be reflected in severe killing back of one-year-old shoots of many kinds of trees. Poplars make rapid growth when planted in soils where moisture is plentiful (surface as well as subsoil), but in areas of light annual rainfall they should be sparingly planted.

**G**ENERALLY speaking, Caragana, Maple, and Green Ash are the most drought-resistant broadleaf trees distributed by this Station. American Elm will survive exceedingly well in heavy soils, while Willows and Poplars should be restricted to planting in moist soils or locations with a high free-water table.

Except in low, wet land, hardy evergreens like White Spruce, Colorado Spruce and Scots Pine may with safety be planted in all soils. The recommended plan is to plant them in a row by themselves a distance of 16 or 20 feet from other trees, and preferably within the protection of established trees. Margins of all tree belts should be kept in a permanent state of cultivation. No trees succeed well in alkali spots.

The value and worth of trees for prairie farms are given in the statements from the following farmers:

T. J. Graham, Pennant, Sask., who began planting trees in 1902: "We would not be without a shelterbelt around our home."

Harry Hess, who farms at Artland, Sask., when speaking of a five-acre field surrounded by tree belts on three sides and by a natural bluff along more than half of the fourth side, said: "I got better than average crops there because it was sheltered, held more snow than the open fields, and

(Continued on page 19)

## Irrigated Gardens for Many Prairie Homes Now Possible with P.F.R.A. Assistance

**A**N irrigated garden on every farm may be a project that cannot be 100 per cent successful because of soil texture but it is an objective that all farmers and P.F.R.A. officials should strive to reach, says an official at the Lethbridge Experimental Station. During the past nine years there has been considerable thought and publicity given to stock watering dams and dugouts but the idea of using a dugout for garden irrigation has been in most cases only a thought in the back of people's minds. Nevertheless there has been enough work done and experience gained to guarantee that it is feasible and practical.

There will not be many arguments presented against the idea of having more garden irrigation dugouts as every farmer realizes the value of a good garden. The problem confronting the individual today is how to construct such a project with the present scarcity of help and machinery.

## Power Machinery Best

The ideal way to excavate dugouts and to build dams is with large power machinery and it is hoped that such equipment will soon be available for this work. To make the most economical use of this large equipment it will be necessary to have each district

carefully organized, to have the survey work all completed so that the cost of moving from one job to another can be kept at a minimum. Every district in the less humid areas should consider this suggestion, and organize for the day that dirt moving machinery will be available for hire.

It is not necessary to wait entirely on the future as there are types of dirt moving scrapers being made in several western cities. One type is the small three-quarter-yard roll-over scraper that is available at a reasonable price. These can be handled with an average farm tractor; thus one man can move dirt at a reasonable cost and without the drudgery of the horse fresno.

**W**ITH smaller equipment it may not be possible to complete the project in one season, but if the water is used during the early summer the holes should be dry enough to complete in another season.

The P.F.R.A. is still giving financial and engineering assistance to water development projects and will be glad to receive applications for this assistance. Review your location and the soil texture. If these are satisfactory include a garden irrigation dugout in your postwar plans. If you cannot act now at least plan for the future.

## Trees Protect Soil

**T**HE greatest enemy of our western soil under our present agricultural set-up is wind erosion, and nothing yet devised by man can overcome much of this as effectively and with as little cost as belts or strips of trees.

The cost of protecting fields by tree hedges to give wind protection and conserve moisture has, from actual experience, been placed at around \$30 a mile for planting and maintaining until the trees are able to look after themselves.

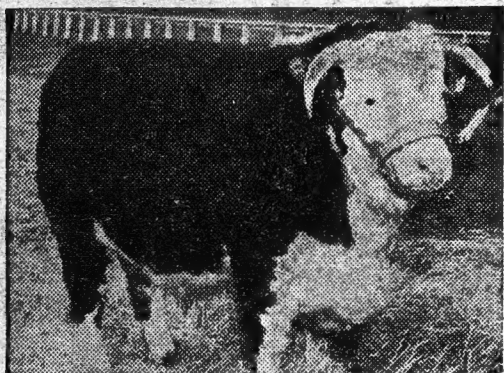
Farmers with protected fields definitely state that they secure about 20 per cent to a third more crop from these protected areas in an average year, and we found in crop failure districts during the drought years that not one protected field failed completely. — Canadian Forestry Association.



# Calgary Bull Sale Sets New Records

ALL records for total returns and average values went by the boards as officials of the Calgary Spring Bull Sale compiled figures at the close of the 45th annual event of the Alberta Cattle Breeders' Association, March 19 to 23.

"It was certainly the greatest sale ever staged in Canada", said Manager J. Charles Yule, and probably the greatest of its kind held anywhere on the North American continent."



BICALDO 113th — \$8,000

The 1944 total return was \$295,940, an average of \$351.06.

Highlight of the sale was the all-Canadian beef record price of \$8,000 paid for the two-year-old Hereford, Bicaldo 113th, consigned by Harry Onstad, of Airdrie, Alta., and bought by Irving Kesterson, of Redwood City, California. While about 10 per cent of the bulls, including a number of the highest-priced ones, were bought by California, Montana, Washington, Oregon, Idaho and other American stockmen, the great majority will go to range in the western provinces or will head steadily improving farm herds.

There was a general tone of optimism around the ring during the four days of the sale, indicating not only the satisfactory financial position of the well-established cattlemen, but a marked confidence in the future of the industry.

In all, 118 Aberdeen-Angus bulls went through the ring at an average of \$285.80; 552 Herefords at an average of \$513.96, and 129 Shorthorns at an average of \$367.52. Totalling returns of the baby beef and fat stock sale, the sale of the purebred females, and the sale of bulls, \$383,397.34 changed hands during the event.

Second highest price of the sale was \$6,600, paid by P. Burns Ranches to W. A. Crawford-Frost for Caerleon Standard 7th. Cross Bros., Calgary, paid \$4,250 for Caerleon Standard 10th from the same herd, and Caerleon Standard 2nd went to Homer Campbell, of Clendonald, at \$2,225.

Kesterson paid \$3,750 for the reserve champion Hereford, entered by W. J. Edgar, Innisfail, this contributor's eight bulls bringing an average of some \$1,284. J. M. Campbell, of Stavely, made a splendid showing with sales at \$3,350, \$2,750, \$2,550, \$1,650 and \$850.

Highest price for an Aberdeen-Angus entry was \$1,200 paid by D. C. Bradshaw & Sons, Bowden, for Glenarden Leader, consigned by Roy Swanson, of Scandia. Flint and Flint, of New Norway, sold Dalrene Blackbird

(Continued on page 15)



JUNIOR STOCKMEN

Here are the three first-prize winners in the boys' and girls' baby beef section of the Calgary Show. Above is Ross Gould, of Rosalind, with his Hereford which also won the championship. Upper right is Bud McBride, of Benalto, and his Aberdeen-Angus, while the Shorthorn winner and its owner, Leta Ruth Boake, of Acme, are seen at the right. Gould, in winning, repeated his victory of last year, while McBride came from the foot of the class in 1944 to win this year.



## In War... and In Peace

### THE MINNEAPOLIS-MOLINE WAR RECORD

As of December 31, 1944

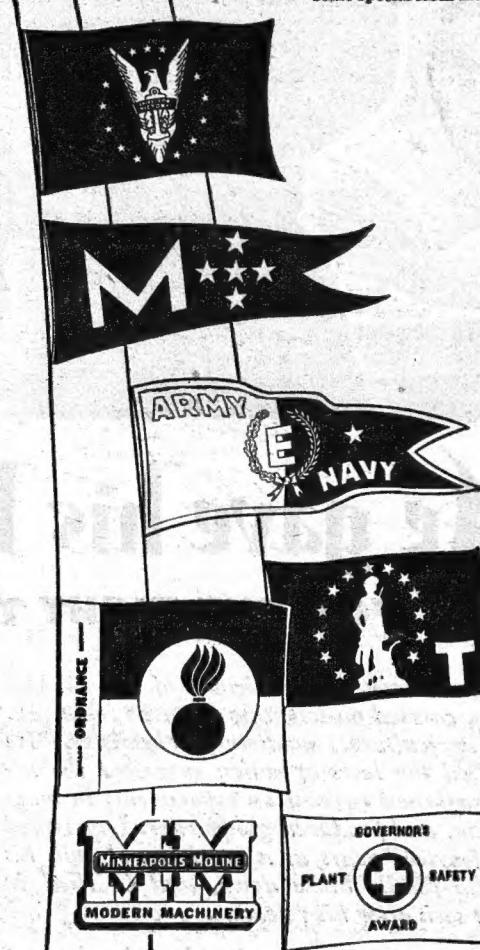
According to the best available information we have, Minneapolis-Moline is the **FIRST** and **ONLY** company in the U.S.A. to win all the following awards for production efficiency:

1. **Victory Fleet Flag** and **Maritime "M" Pennant**. (Minneapolis plant.) New with five Gold Stars each denoting 6 months of high production achievements.
2. **Army-Navy "E"** (Come plant.) With an additional Star for continued Meritorious Production.
3. **The Army Ordnance Banner**. (Minneapolis and Hopkins plants.)

MM is one of only 23 companies in the U.S. to have earned five consecutive awards from the U.S. Maritime Commission for continued high quality and high production achievement. MM was one of the first 46 firms in the U.S. to win The Maritime "M" Pennant.

In addition MM was one of the first 100 firms to set up a Labor Management Committee. The U.S. Treasury Dept. reports that MM was one of the first 100 large firms whose employees invested 10% or better in War Savings Bonds. For this MM proudly displays the Treasury "T" flag. MM was awarded the Governor's Safety Award for a well-established safety program and has contributed to the War Production Fund of the National Safety Council to help stop accidents. Minneapolis-Moline is dedicated to do all in its power to back up the men and women on the fighting fronts. They are the ones who are winning this war so that this land of ours and our way of life may be preserved for all of us—and for future generations.

MINNEAPOLIS-MOLINE produces a complete line of tractors and power farm machinery for modern needs as well as horse drawn farm implements and many specialties for industry, for the war effort, and some special farm machines for foreign markets.



#### IN THE SERVICE

As of December 1, 1944, one thousand and four hundred and forty-three MM employees had left our company to serve in the armed forces.

To all the men and women in the armed forces MINNEAPOLIS-MOLINE pledges its utmost on the home front endeavors until Victory is ours.

Many former Minneapolis-Moline employees in the armed forces have received high military honors, 4 are known to be prisoners of war, 4 are missing in action, and a considerable number have been wounded.

MINNEAPOLIS-MOLINE has been informed that up to December 1, 1944, nineteen of its former employees "have given their last full measure of devotion".

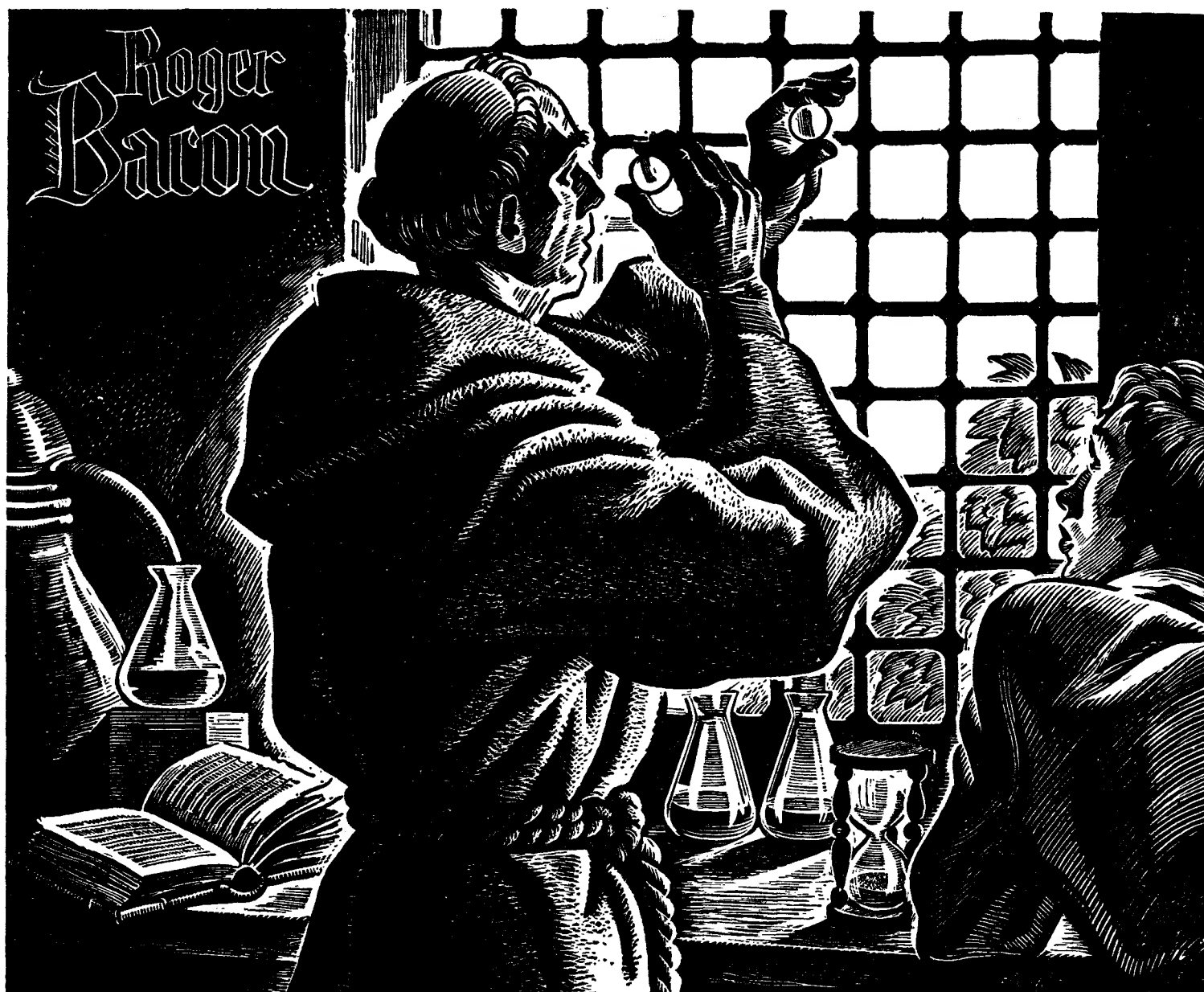
**BRAVE MEN SHALL NOT DIE  
BECAUSE WE FALTERED**

#### "INVEST IN THE BEST"

--- Put every dollar you don't need for actual living into **VICTORY BONDS** during this **EIGHTH VICTORY LOAN** --- and **KEEP THEM!**

# MINNEAPOLIS-MOLINE





## He gave his life FOR THE RIGHT TO INVESTIGATE

*Roger Bacon, great scientist of the Middle Ages, carried on scientific research in metals, in agriculture, medicine, chemistry. He studied the laws of optics; suggested the use of eyeglasses; carried on experiments in magnetism, and produced gunpowder. Imprisoned for fourteen years as a magician of evil, his health finally broke down, and he died in 1292 soon after his release.*

LIKE Roger Bacon of old, scientists of today seek to solve many problems through scientific research. In the Nickel industry they have explored many fields in their search for new uses for Canadian Nickel. Today practically all industries have improved their products or their manufacturing methods by using Nickel.

When the war is over the Nickel research laboratories will again turn their efforts to developing the known uses for Nickel and discovering new ones.

Canadian engineers, designers and metallurgists have free access to the scientific and technical data gathered together by International Nickel. A request for information is all that is necessary.

Still wider knowledge of the ways in which Nickel may be usefully employed will further increase the demand for Canadian Nickel; and Canada will benefit accordingly.

FORWARD THROUGH RESEARCH

**Canadian Nickel**





# Farm and Ranch Review

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*Invest in the Best.*

*Don't Let Him Down by Letting Up.*

*Wars Are Not Won on the Easy Payment Plan.*

WARS also are not won by slogans, but the fact that so much counsel is served up these days in capsule form does not detract from its wisdom or importance.

Canadians soon again will be faced with the opportunity and obligation to subscribe

to another of their country's financial contributions to Victory. While the Eighth Victory Loan, as were former ones,

is a continuing reminder of the tremendous fiscal cost of war, the news from the battlefronts is cause for cautious optimism that the success of Allied arms in Europe is in sight. As we make another payment on our Victory account, what are our plans for peacetime?

Farmers have taken up a worthy share of previous loans. Apart from the patriotic motive behind this measure of sacrifice is the realization that no sounder form of investment offers them the chance to finance their post-war plans for farm and home improvement.

Canada, compared with many other lands, has felt lightly the stresses and rigors of war. We at home can honor our fighting men by our ungrudging support of their courage, their ideals, their sacrifices. This can be our investment in the better world we confidently hope these will bring.

*Invest in the Best!*

★ ★

LITTLE fault can be found with the announced wheat policy of the Dominion Government for 1945-46. Few farmers felt that the Wheat Board's initial price would be raised above \$1.25, and there is general satisfaction that this mark was not lowered, even as an incentive to the slight reduction in wheat acreage which planning authorities hope for this season.

The minimum price of oats remains at 45 cents a bushel and of barley at 60 cents, basis top grades in store at the Lakehead. Advance equalization payments of 10

cents on oats and 15 cents on barley will be continued.

In making its announcement early, Ottawa has heeded wise advice and has made its program available early enough to permit farmers to lay their season's plans well in advance of seeding. Knowing that deliveries will be strictly limited to 14 bushels per authorized acre—65 per cent of the acreage sown to wheat on each farm in 1940—farmers will be encouraged to grow other cash crops to supplement a wheat income thus restricted. Farm storage will have to be provided, of course, for wheat production above the quota.

Somewhat disappointing, however, is the decision not to increase the price for flax, as was recommended by the western wheat pools. Flax is a hard crop to grow, the yield is uncertain, it is a poor weed-fighter, and it is considered hard on the land. United States offers a market for all the flax Canada can grow, but holding the price at \$2.75 provides little inducement to increase the acreage of this crop in 1945.

★ ★

WHEN Canada's war plants turn from swords to ploughshares and resume the making of tractors, automobiles and washing machines, we will not have to pay any more for these articles than we did in 1944. This point was made by Donald Gordon, chairman of the Prices Board, in a recent outline of the Dominion's reconversion policy.

Our United States neighbors may not be so fortunate in this respect. Washington economists seem to feel that to allow for increased material and labour costs, goods off the market since 1941 will have to return at higher prices. One big American corporation has vetoed this policy, announcing that it will return to civilian production of its electrical appliances at pre-war price levels, but this appears to be the exception rather than the rule.

The Canadian government looks at it this way: If we can just keep prices down during the transition period, we shall stand a better chance of building up a large volume of peacetime production for both domestic and export markets.

"Prices must be kept down to get volume," Gordon explained, "and volume is the only basis on which costs can be kept low."

It should not prove too difficult for producers to sell at 1941 prices. By 1941 we had been at war for two years and many prices had already started to rise when they were pegged. Labour costs should begin to decline as wartime absenteeism and excessive turnover decrease and costs of many materials should recede as sources of supply are reopened.

The interlocking relation of Canadian and American business may complicate our reconversion to post-war production.

Advancing U.S. prices may hamper Canadian manufacturers who have to import parts and materials from across the line, and some form of subsidy may have to bridge this gap. This action has been taken in the case of a number of food items to stabilize living costs, and it is possibly the best method yet devised of solving the problem.

★ ★

FARM workers have given major assistance during the past winter to other hard-pressed industries, says the Dominion Minister of Labour, but as the farm labour situation will itself be serious this year, it is necessary that the men should not be retained in other activities once their help is needed back home on the farm. Food is still highly important, and increased amounts will be required to supply our troops, our home population, the United Nations and liberated Europe.

Temporary permits were issued during the winter to more than 80,000 farm workers to allow them to continue their year-round war effort in factories, woods, mines and other essential industries. The government realizes, however, that these men can make their greatest contribution through farm work and has arranged for their release from their temporary jobs as soon as spring work opens up.

Active service has called numbers of men who helped with farm work last season; as yet few from the forces have returned to their rural homes; farmers and most of their equipment are a year older, continued high production of most foodstuffs is urged, and, by and large, the 1945 labour picture for the farmer is not too bright.

★ ★

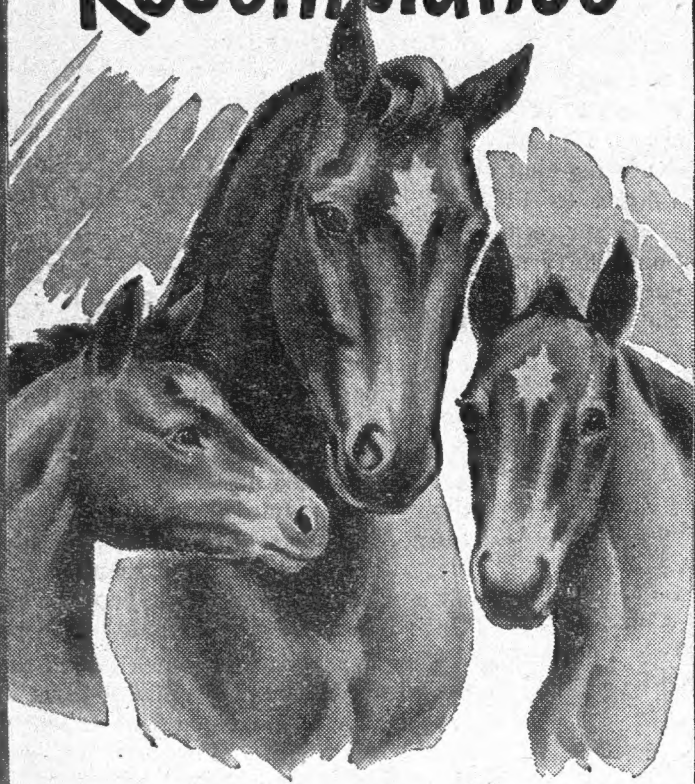
NOT for many years have there been so many farm auction sales as have been called this spring. Many country auctioneers have had their calendars booked for the past two months. Bidding is brisk for almost all livestock and new ownership of any type of power machinery is decided only after a keen contest. In many cases, farm equipment which would ordinarily be considered obsolete is bringing up to the original price, though it was purchased many years ago.

A High River observer points out that for the most part the sales in that locality are the result of the farmer's advancing years or ill health. Some farms have been sold and new owners have taken possession. In other cases the owner has rented his farm and moved into town to take life easier.

Also noted, however, is a tendency of large land-owners to increase their holdings, and in many instances of this kind former homes are left unoccupied. This trend is viewed with concern in many districts, and it represents a distinct loss to rural community life.



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## Give Chicks Proper Start

NO matter how vigorous and healthy the newly hatched chick may be, it will be a losing proposition if stunted by errors in feeding or brooding in the early stages. Once chilled, the chick may never recover sufficiently to be profitable. Deaths constitute a loss more serious than generally recognized, since late replacement will never equal the earlier hatched chick.

A good weather-proof building that provides for plenty of sunlight and fresh air, and a reliable heating unit, not only ensure the comfort of the baby chick but require a minimum of attention and labour from the operator.

Have the brooder house ready, and the stove in operation three or four days before the chicks are expected. The house should be well disinfected. The proper time for the purchaser of baby chicks to start to make good quality pullets and cockerels out of those chicks is when he receives them and takes them from the box. Any setback the chick receives when small is reflected throughout its whole life.

...

## Drill Operates Best At Low Speed

FIVE miles per hour is the maximum at which the seed drill should be operated. The seed drill is a low-speed machine, and high speeds results in high repair costs.

Always raise the discs out of the ground when a sharp turn is made. Never allow seed to remain in the box for more than a day or two, and thoroughly clean out every bit of seed and dirt at the end of the season. The drill box, feed mechanism and seed flutes should always be covered when the implement is left outside during wet weather.

Use the proper oil. Only a light fluid grease should be used in the disc or furrow opener bearings. Never use gun grease or semi-fluid grease in these bearings. The chief points to be remembered are: lubrication, adjustment, frequent checking, sharpening and repair at regular intervals.

...

## Britain Guarantees Milk Price to 1948

THE British Government has placed milk in first place among food-stuffs in view of its vital place in the national diet. More fresh milk is being consumed in the British Isles at present than at any other time in the history of the country, and the rate of consumption now is reported to be 35 to 40 per cent above the pre-war level.

To encourage farmers to produce the amount of milk likely to be required in the next three years, the Government has guaranteed prices not less than those now prevailing, until the summer of 1948.

...

## MILK HEALS WOUNDS

SOVIET scientists have developed a paste of pressed milk which is effective in curing wounds. In a Novisibirsk hospital were several men whose wounds healed very slowly, novocaine blocking, ultra violet ray treatment, antiseptics, and permanganate baths not proving of much value. The special milk paste was applied and the wounded were soon well again. During the Leningrad blockade, this paste was used in all the Leningrad hospitals.



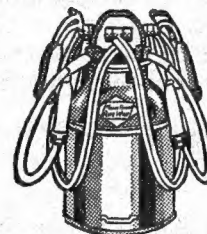
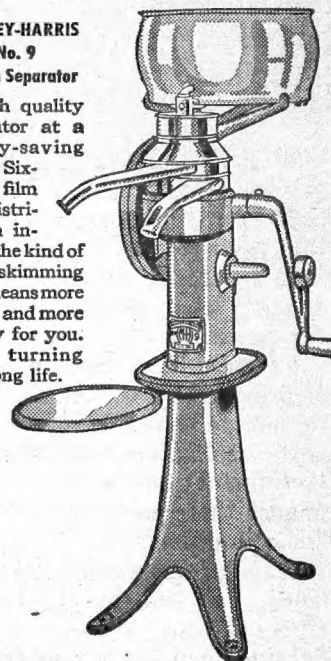
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#### WHAT THE BUYERS WANT

This is the big, sound, well-fitted and well-mannered type of horse that finds favor with buyers in the sale ring. He is Prince Laet, the 2,100-pound purebred Percheron gelding for which an Eastern purchaser paid J. A. Hole, of Airdrie, \$350, the highest single price of the Calgary Spring Horse Sale.

## Calgary Horse Sale Successful

WITH 1,120 head of horses passing under the hammer for a total of \$76,607.50, an average of \$68.40, Calgary's annual spring horse sale was considered generally satisfactory by buyers and sellers.

Well-fitted, well-broken horses of good size and conformation were in active demand and buyers did not want the other kind at almost any figure. Contributors might well pay more attention to this fact in planning for future sales.

Highest individual price in the sale was \$350 paid by J. R. Parr, of Middleton, N.S., for Prince Laet, a purebred Percheron gelding consigned by J. A. Hole, of Airdrie. The big horse, weighing 2,100 lbs., was sired by Chief Laet, the stallion which stands at the Lethbridge Experimental Station.

The same buyer also paid the highest figure of the sale, \$590, for a team of sorrel Belgian geldings offered by Evans Bros., of Balzac. Top price in the saddle horse division was \$300 paid by H. G. Walker, of Cayley, for a four-year-old chestnut mare consigned by W. Renard, of Calgary.

Buyers were in evidence from B.C. and practically all the eastern provinces, some 40 carloads being shipped east following the sale. Many of these, selected for type, general conformation and good feet, will go into service on milk wagons in Ontario, Quebec and Maritime cities and towns, and a good percentage of the heavier, rougher animals will go into bush work.

#### Breeding Declines

Addressing the annual meeting of the Alberta Horse Breeders' Association held during the sale, J. M. McCallum, chief of the horse division, Dominion Department of Agriculture, warned horsemen of the "present alarming decrease" in the number of foals being raised and expressed concern for the future of agriculture if the decrease in the breeding of heavy horses continues. "I don't think western breeders should be stampeded into the belief that the day of the horse is over," he concluded.

#### LACOMBE

A team of purebred Belgian mares consigned by M. P. Adams, Major, Sask., went to a New York state buyer for \$700 at the Lacombe sale. The same purchaser took a team from J. M. Douglas, Lacombe, at \$325, while a single entry from W. Darlington, of Hespero, brought \$190.

#### LETHBRIDGE

A total of 416 horses passed through the sale ring at Lethbridge on March 9 and 10 for an average price of \$40. Highest price paid during the auction was \$140 for a five-year-old mare sold by John R. Ward, of Iron Springs. Only well-fitted horses brought high prices. A number of the highest-priced animals were purchased by James Frew, a Lethbridge dealer.

#### RED DEER

Prices were slightly lower at the Red Deer horse sale than those recorded last year. Top price for a single horse was \$110. A number of Eastern buyers attended, but poorly-fitted horses met a poor demand.

#### BRANDON

At the Manitoba Horse Breeders' sale held at Brandon on March 7 and 8, a total of 197 horses were sold for an average price of \$70.60. Top price of the auction was \$180 for a single animal.

### Increase Barley Acreage for Feed

INCREASED acreages in barley in the 1945 cropping program are necessary to maintain live stock production at present levels. Shortages of feed barley are already noted in some areas and these shortages will become more apparent unless a larger acreage is planted.

Central and northern sections of Alberta are normally livestock areas where mixed farming over a period of years has been the soundest farm practice. The tendency last season was for many farmers in this area to increase their acreage in wheat and decrease it in oats and barley. At the same time hog production in these same sections has declined. With a policy of limited marketings of wheat to be applied to the 1945 crop, farmers must recognize that the safest market for grain is through livestock and that the feed most generally suitable for this purpose is barley.

EXERCISE is important for brood sows and can be guaranteed by feeding the sows at some distance from their sleeping quarters. They should be kept in good flesh, but not allowed to become over-fat. Over-fat sows often farrow weak litters.

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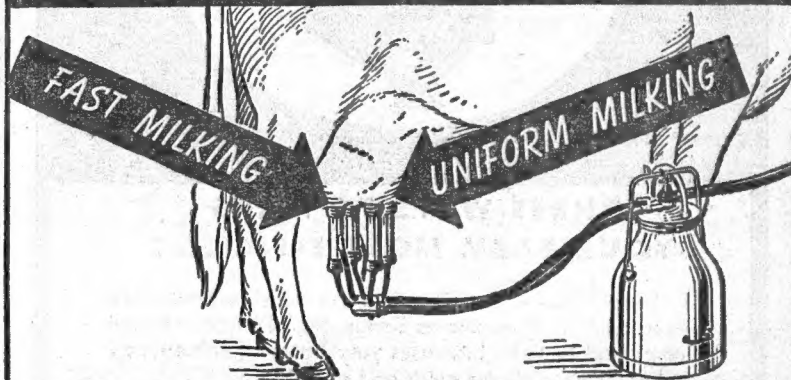
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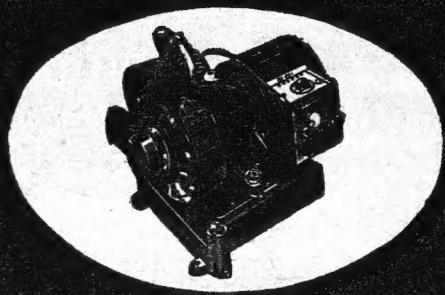
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## PLAN FOR TOMORROW



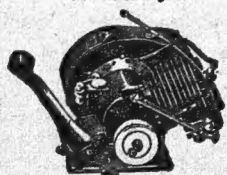
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## Will Alberta Continue To Supply Bacon to Britain?

By O. S. LONGMAN,  
Deputy Minister of Agriculture,  
Edmonton

UNOFFICIAL estimates indicate that Alberta's swine production in 1945 might be 25 to 30 per cent lower than last year. Marketings for the first two months of 1945 were 30 per cent below those of the same period in 1944, and lately packing plants have been unable to obtain sufficient hogs to operate at full capacity.

Lower swine production in 1945 has been anticipated and is no cause for alarm unless the decline continues at the rate that has occurred during the first two months of this year.

The swine industry in Alberta has reached such proportions that Alberta farmers must give careful consideration to the relative importance of this enterprise compared with others, not only now but in the years to come. During the war years 1940 to 1944, Alberta swine producers marketed about 11,000,000 head of hogs which yielded a gross income of about \$250,000,000. This sum is almost double the 1936 recorded Alberta mortgage and lien indebtedness. Swine marketings of 11,000,000 head for the years 1940-44 represent a market for approximately 220,000,000 bushels of coarse grains.

Swine production in Alberta occupies a preferred position compared to this enterprise in other provinces. Not only does Alberta produce the largest provincial percentage of swine in Canada (34 per cent in 1944), but about four out of five Alberta hogs are exported to Great Britain as Wiltshire sides. Alberta is thus a most important unit both in respect to domestic supplies and export markets.

ALBERTA swine producers should appreciate their present position, not only in their own interests, but also in regard to the rest of the Dominion. Canada has established an extensive and valuable market in Britain. While this market developed under war conditions, a large part of it may be maintained, providing nothing occurs to eliminate the British consumer.

The war is not yet ended, and the need for Canadian bacon is as great, if not greater, than before. Under these conditions nothing would give Britain greater justification for seeking her bacon requirements elsewhere than for Canada to "slow down" swine production at this crucial time.

Canadian agriculture could not do better in the closing hours of this struggle than to give added force to the final blow by assuring to the United Nations all of the foodstuffs she can produce. It is possible that now is the time when Canada, and particularly Alberta, can most effectively demonstrate her loyalty and support for world peace and freedom.

Alberta in her own interests, in the interests of Canada and Britain should maintain a strong position in the British bacon market. What Alberta does, in no small measure, will determine Canada's future bacon trade with Britain. This trade can be preserved only by maintaining an adequate and continuous supply of the high quality Wiltshire sides sought by the British consumer.



O. S. LONGMAN

## Would Prohibit Marketing Sows

SO sharp is the decline in hog marketings in Alberta this spring that a conference of agricultural leaders was called in Edmonton, March 12, to seek a remedy for the situation.

Marketings were reported down 32 per cent in the province during January and February, compared with last year. In the Lethbridge area the drop is from 40 to 50 per cent.

Fear was expressed at the Edmonton meeting that, if Canadian farmers allowed the decline in hogs to continue there would be very little chance to hold the British market after the war and the West will be thrown back on a wheat economy again with all the dangers of glutting the world market as happened before the war.

As a result of the conference certain recommendations will be made to the Dominion government through the head office of the Canadian Federation of Agriculture at Ottawa. These are:

1. The government should announce its desire to increase Canadian hog production to the level of 1944—or whatever volume is decided upon.

2. In order to bring this about the basic price for hogs should be adjusted to a fair ratio with grain prices, sufficiently high to make hog production equally attractive.

3. To prevent further liquidation of breeding stock a ban should be placed upon the shipment of brood sows which show signs of being in pig. This ban should possibly apply for a time to all brood sows.

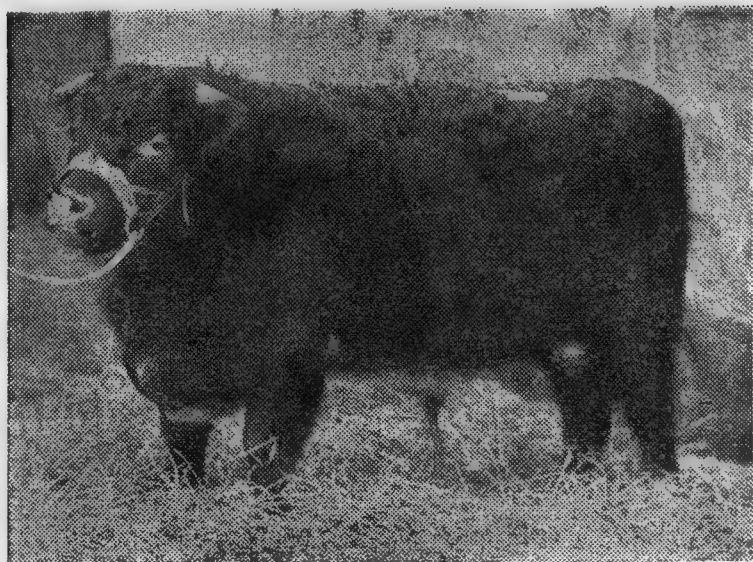
4. A price differential should be established between winter-raised litters and summer pigs since the cost of winter pigs is obviously higher.

5. An attempt should be made to select from shipments coming on the market a certain number of the best type of young sows for breeding purposes, these to be distributed to the producers through government agencies.

DESPITE the mechanization that has taken place in Western Canada, 62.4 per cent of the farms in the prairie provinces are still powered exclusively by horses and the figure for the Dominion, as a whole, is 78.4 per cent, Secretary T. P. Devlin told the recent annual meeting of the Clydesdale Horse Association of Canada.

★  
Buy WAR SAVINGS Certificates!





#### VALUABLE IMPORTATION

Above is Mount Banker, the Shorthorn bull bought by James Richardson & Sons, of Winnipeg, at the recent Perth sale in Scotland for 4,000 guineas—\$18,800. Bred by George Douglas, of Caddbollmount, he was junior champion at the Perth Show. A number of good heifers were also purchased for the same Canadian buyer at an average of about \$1,500.

## Breeders' Notes

C. C. MATTHEWS recently shipped 25 of his registered Aberdeen-Angus yearling bulls from his Highland Stock Farm, Calgary, to Ferol Smith, Des Moines, New Mexico. He has made several sales in the past to American buyers, and many of his animals have made good showings in U.S.

THE Alberta Shorthorn Association will hold two regional shows this season, one at Vermillion late in July, and one at Calgary on a date to be fixed, directors decided at a meeting in Calgary, March 19. Increased support is planned in the development of young people's activities through calf clubs.

JOHN WILSON, of Innisfail, well-known Hereford breeder, was elected president of the Alberta Cattle Breeders' Association at its annual meeting held during the Calgary spring show. He succeeds P. J. Rock, of Drumheller. C. C. Matthews, Calgary, was named first vice-president, and William Hudson, Kathryn, second vice-president. J. Chas. Yule was re-appointed secretary-treasurer.

HIVU Charcoal, nine-year-old black Percheron, stallion, grand champion at the Calgary Spring Horse Show in 1941, 1943 and 1944 and winner at many fairs in the West since he was a three-year-old, has been sold by D. Leslie Loree, of Nanton. Basil E. Lowe, Amherst, N.S., his new owner, shipped him east early in March. He was bred by L. O. Crockett, of Mayerthorpe. Just before leaving Calgary he weighed 2,260 pounds.

C. D. FLINT, of New Norway, was re-elected president of the Alberta Aberdeen-Angus Association at its annual meeting in Calgary, March 19. C. Matthews was named first vice-president, R. V. McCullough, Bassano, second vice-president, and H. E. Wilson, Lacombe, secretary-treasurer.

Directors elected were: S. J. Henderson, Lacombe; Prof. J. P. Sackville, Edmonton; Roy Ballhorn, Wetaskiwin; R. M. Spence, Calgary; H. Mead, Bellevue; W. Gibb, Killam; F. R. Cathro, Calgary; E. J. Gregory, Irricana; R. A. Warren, Warner; E. I. Clarke, Namao; R. Swanson, Scandia; M. W. Gibb, Killam, and R. R. Buchanan, Pincher Creek.

Reports of successful activities of Alberta breeders were presented by Mr. Flint, and F. W. Crawford, secretary

of the Canadian association, stated that the breed was going ahead rapidly in both Canada and the United States.

HIGHLIGHT of the Kamloops Spring bull sale and fat stock show was the \$3,500 price paid by Austin C. Taylor, of Vancouver, for the two-year-old champion Hereford bull, Circle J Domino 2nd, consigned by Bulman Bros., of Kamloops. The same buyer also paid \$1,500 for Wyoming Domino 5th, sold by Alex Mitchell, of Lloydminster. Douglas Lake Cattle Co. paid \$576 for a Shorthorn consigned by W. J. Russell, and a Jas. Turner Shorthorn entry went to Whiting and Cleminson at \$500.

ALBERTA Hereford Breeders' Association at its annual meeting, March 19, elected Charles Bull, of Calgary, president for the coming year, with W. A. Crawford-Frost, of Nanton, vice-president. John Wilson, of Innisfail, was re-elected secretary-treasurer, and directors include Frank Collicutt, Crossfield; W. C. Bissell, Viking; Charles Jones, Balzac; W. J. Edgar, Innisfail; Roy Bond, Irricana, and Thomas Hughes, High River. Officers reported a successful year for 1944, with good interest shown by many American buyers, and a steady growth in the membership of the association.

L. O. CHAMBERS, of Calgary, was elected president of the Alberta Horse Breeders' Association at its annual meeting on March 12. Clem Gardner, of Pirmez Creek, was named first vice-president and Hardy E. Salter, Calgary, second vice-president.

J. Charles Yule was again named secretary-treasurer, and the following were named to the executive committee: L. O. Chambers, Clem Gardner, Hardy Salter, Will Moodie, DeWinton; Maxwell Smith, Calgary and J. S. Thompson, Midnapore.

Directors, named from various breeders' groups, include:

Percherons: Hardy Salter, Calgary; Joe Ollerenshaw, Ogden; E. E. Farr, Airdrie; Dwight Ellis, Hubalta.

Clydesdales: Thomas MacMillan, Calgary; Will Moodie, DeWinton; James E. Thomson, Midnapore; Harry M. Lusk, Aldersyde.

Light horses: Clem Gardner, T. P. Brown, Brig. F. M. W. Harvey, V.C., M.C.; L. O. Chambers, Maxwell Smith, E. D. Arnold, F. M. Holden, W. N. Graburn.

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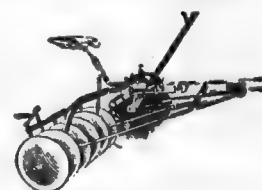


**"That's Good News... Because a harrow is an implement that really has to take it"**

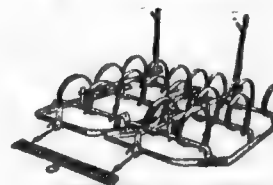
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Our plans are simple and easy to follow and these 8 to 40 cubic foot sizes can be built of new or used parts. Special offer for short time only: Our 50c Build Your Own Milk Cooler Plan will be included without cost. Mail \$1 bill, check or money order for complete plans and catalog.

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## Plan Early to Check Costly Ravages Of Sawfly in 1945 Wheat Fields

**M**OST farmers in the prairie provinces now realize that extensive losses can be suffered from wheat stem sawfly. This insect during the past ten years has become the major hazard of dry-land farming over a large area of Alberta and Saskatchewan. Many of these farm operators now recognize that they can no longer farm with the sawfly and are prepared to accept the control measures which have been recommended to them for several years.

Present-day control methods are based on research on the habits of this insect carried on for a number of years. Dr. C. W. Farstad, at the Dominion Entomological Laboratory, Lethbridge, is in charge of investigations on this insect for the prairie provinces. At the present time, Drs. K. M. King and Robert Glen, of the Saskatoon Laboratory, oversee control work in Saskatchewan, while L. A. Jacobson, of Lethbridge, conducts the control campaign in Alberta. These men are constantly checking the results of the recommended control measures and refining new methods of attack against the pest.

The wheat stem sawfly is capable of causing very serious losses, and in many districts has been increasing without any particular concern on the part of the farmers. In 1944, the estimated loss from sawfly was computed at 25 million bushels, 18 million in Saskatchewan and 7 million in Alberta. When it is considered that much of the acreage seeded to wheat in Alberta takes in the Peace River area, parkland in the central part of the province and irrigated land, where sawfly is not a pest, it will be seen that the loss is concentrated in rather a small area.

In Saskatchewan and Alberta it was common to see wheat fields where from 70 to 100 per cent of the grain was on the ground. Some of this was salvaged during harvest, but had the fall season been wet most of this grain would have been lost. In harvest operations, despite careful and painstaking use of the equipment, all of the cut grain cannot be picked up. Even though the fallen stems are recovered, the threshed wheat is usually down in yield and of a poorer quality than standing grain. Also, it is more expensive to operate harvesting machinery in infested fields.

**O**N the bases of wheat which was not recovered from infested fields and taking into account added costs, the average farmer in districts where sawflies were abundant suffered loss amounting to over \$100 per quarter-section of land. In many cases this figure was even higher. Generally speaking, however, there is very little concern shown by farmers over these losses. The lack of concern may be due to the fact that the sawfly lacks an alarming appearance and size and because the adult and the grub are rarely seen.

The adult sawfly resembles a tiny, slender wasp, about ½ inch long with yellow bands on the body and legs. The four wings are rather dark and smoky. In most cases farmers expect to see a much larger insect and are usually surprised to find that such a small inconsequential-looking insect is capable of causing such great losses. Sawfly grubs pass the winter inside



SAWFLY TRAP IN WHEAT FIELD

the cut stubble of the previous year's crop. The stubs are lined with a cellophane-like material and plugged at the upper upper end, and as the grubs remain below the ground level they are adequately protected from cold or wet weather.

### Appear in June

As the weather warms up in the spring the sawfly grubs commence development and the parent sawfly pushes its way out of the stub and appears in the field around the middle of June. This is considered the start of the flight period, which lasts for about three weeks. During the flight the female sawfly selects the most advanced stems and lays its eggs inside the stems. The egg is very small, but when the growing plant is slit open it can be seen as a small, milky object about the size of a pinhead.

The adult sawflies are more active on bright, warm days. They are not strong fliers and generally move slowly from one plant to another. However, when populations become very large or when they are in search of suitable plants, they are capable of moving considerable distances.

The newly laid egg hatches in about 4 to 7 days and the grub feeds up and down inside the stem. As it feeds it becomes larger, eating out the joints as it moves along. When the plant is nearly ripe, the grub goes to the bottom of the stem, girdles the inside and remains in the stub to pass the winter. The girdled stem is weakened and, as the plant ripens, falls over onto the ground.

**L**OSSES from the wheat stem sawfly can be prevented but not without some thought and planning. On the experience of the past several seasons in both Saskatchewan and Alberta, it has been found that serious infestations and damage can be reduced. It must be recognized that this cannot be accomplished by hanging on to those farming practices which have encouraged sawfly increases.

Sawfly control does not necessarily mean complete elimination of the pest. It has been found that when a carefully planned control program is carried out, damage can be reduced to a point where losses are practically nil.

The sawfly control program which has been accepted during the past

several seasons can be summarized in five points:—

1. Do NOT sow wheat on infested stubble. Stubble-in of wheat has been without doubt one of the main reasons for the rapid increase in numbers on many farms and districts.
2. USE SAWFLY TRAPS PROPERLY. The use of traps is one of the sure means of actually killing off sawflies. Adequate traps may be secured as follows:
  - a. Sow the trap early on well prepared summerfallow. Wheat is the best trap, although spring rye can be used. Oats and barley have no value as a trap.

(Continued on page 19)

## Montcalm Valuable New Malting Barley

**M**ONTCALM, a new variety of malting barley superior in many respects to O.A.C. 21, has been approved by the National Barley and Flax Committee which met recently in Winnipeg. The new barley was developed as a result of extensive breeding work and tests at Macdonald College, and is believed to have a valuable place in northern malting barley areas of the West.

It was announced that there are some 500 bushels of seed available, and a supply of this will be distributed this year to selected growers for multiplication.

...

## CONTOUR FARMING

**O**F interest to farmers whose land lends itself to this form of cultivation is a booklet recently published by the J. I. Case Company entitled "Level Farming on Sloping Fields". This outlines the advantages of tilling of soil and cultivating of crops along lines that are level or have the same elevation on sloping land, in effect farming around hillsides and sloping fields rather than up and down the hills. Stressed as benefits of this type of tillage are a saving in tractor power, higher crop yields and conservation of soil, water, seed and fertilizer. An attractive wall hanger in the company's branch offices illustrates the power saving effected by contour farming.



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## Practical Advice Offered For Success With Turkeys

By FRED C. RAMSAY

SO you have decided to raise turkeys in 1945. Not show turkeys of course, but that nice, well-finished bird that will grace your Christmas table to your own definite satisfaction and to the satisfaction of all those friends and relatives present.

Today turkey raising can be a source of income to the small farmer, or the businessman commuting to and from his business in the city who would like a paying hobby. After six weeks of age turkeys are far easier to look after than chickens and yield more pounds of meat per pound of feed.

Now let us consider the "how" of raising turkeys. I am not advancing my theories as one of those engaged solely in turkey breeding, but rather of a person with successful practical experience in raising turkeys as a side line.

The first step is to obtain good breeding stock, healthy birds with straight breasts and bright, blooming feathers. The hens should weigh about 12 - 15 pounds and be well-matured. Five hens and a gobbler are, I find, about enough to occupy spare moments. My experience has always been with Bronze turkeys though I understand that some other breeds are quieter; but the Bronze is a hardy bird. The tom should be chosen with the same qualifications as the hens, and weighing from 20 - 25 pounds. I

prefer the smaller birds myself because: (1) they mature rapidly, (2) better grades are given to the small, mature, well-finished bird when marketed.

**H**EALTHY birds will begin to lay soon after March 15. Remember, healthy poulters result from healthy eggs. When your birds begin to lay, the eggs should be gathered every day. Turkey hens have a bad habit of hiding their nests, but careful watching will soon locate them. A turkey hen missing is usually a hen laying or scouting for a nest. They prefer to nest under trees or among low bushes. When you gather the eggs, be sure to leave a nesting egg or you will have to hunt for the nest all over again. The hen may start to set on ten or twelve eggs if they are not gathered and this is definitely not enough.

To keep your nests from being broken up and destroyed by skunks, badgers, crows, etc., (1) keep a good watchdog that is used to your turkeys, (2) place a coop over the nest as soon as the hen begins to show signs of setting or even sooner, (3) keep your eyes open for any signs of trouble. You will find that the turkey appreciates the coop and you will be quite thankful for it if your hen is hatching during a rainy spell.

### Watch Broody Hen

As soon as your turkey shows signs of becoming broody watch her carefully and when she has kept her nest

(Continued on page 39)

## Prices Guaranteed for Broilers to Aug. Should Make Farm Feeding Profitable

**T**HE definite world shortage of meats becomes more evident as the process of liberation continues. Not only is there a shortage of animal proteins in Europe, but the United States is also in the market for large quantities. Poultry meat especially is in demand.

The stabilization of egg prices at a comparatively high level caused an increase in Canadian flocks both in size and quantity, but prices for live fowl and chicken last summer left much to be desired. However, the situation regarding poultry marketing has now changed. C. W. Traves, Alberta Poultry Commissioner, advises that any person who wishes to go into the broiler business on any scale, large or small, can obtain a guaranteed price for the finished product before he buys a chick.

We have an assured market for all the poultry meat that can be produced during 1945, states Mr. Traves. Dealers are now quoting a guaranteed price on broilers until August 1. In other words, any person who has the accommodation to raise 500 or 1,000 or more broilers can contact most of our large dealers and obtain a guaranteed price for his broilers on a rail graded basis any time up to August 1. They can be sold alive if wished, but selling on a rail graded basis will give maximum returns.

There is an ample supply of Leghorn cockerel chicks at 3c each and heavy-weight chicks at 9c each at the Alberta Approved Hatcheries. The market demand for broilers is for birds 2½ to 3½ pounds live weight. Leghorns should make the minimum weight in about 12 weeks and top weight at 15 to 16 weeks of age. Barred Rock cockerels will make the weights one to two weeks faster than Leg-

horns. The heavy-weight cockerels may be carried over to be marketed as roasters during the fall. Leghorns should be marketed as broilers, as there is a danger of their becoming "staggy" if kept for fall marketing.

**F**EED consumption will be approximately 3½ pounds per pound of grain for Leghorns and about ½ pound more per pound gain for the heavier cockerels. One firm is quoting broilers to August 1 on a rail graded basis of Milk Fed A, 30c; Milk Fed B, 28c; B, 26c and C, 22c; less killing and dressing charge of 6c per head. The average according to grades will be approximately 27c per pound. Well-finished broilers grading above the average will bring more; poorly-finished birds less.

It is recommended that broilers be properly finished before being marketed and then shipped alive to be dressed and paid for on a rail graded basis. Selling outright on a live basis encourages the marketing of improperly finished birds. Many of these have to be battery finished by the dealer wherever possible, but this procedure is unprofitable both to producer and dealer.

There is a definite immediate demand for properly finished broilers, says Mr. Traves. Farmers who have the accommodation and can do the job can fill a war demand and make a reasonable to good percentage on their investment by raising broilers. They can, for the first time in the history of Canadian poultry marketing, get a contract price according to grade from their dealer before purchasing their chicks.

Later in the season the dealers will be issuing guaranteed rail-graded prices for roasting chicken and fowl.



## Calgary Bull Sale

(Continued from page 5)

Bandolier to R. J. Dall, of Lavington, B.C., for \$750, and Lucy's Bandolier of Dalrene to C. F. Hochstein, of Pincher Creek, for \$700.

Two Shorthorns shared top sale honors for that breed. A University of Alberta entry, Gold Bar Lax, went to R. R. Bowe, of Innisfail, and Lovely Maid's Prince from the herd of Adam Berreth, of Beiseker, went to the A7 Ranch, Nanton, each at \$1,800.

Space will not permit listing other outstanding sales, but the keen demand for good animals and the general high quality of the offerings is reflected in the fact that 31 head each sold for \$1,000 or more.

W. J. Edgar had the champion Hereford bull in the keenly-contested showing in Perfection Domino LRD 100, while reserve went to W. A. Crawford-Frost on Caerleon Standard 7th.

Adam Berreth showed the champion Shorthorn bull, Lovely Maid's Prince, reserve going to Golden Hero UA from the herd of the University of Alberta.

In the Aberdeen-Angus ring, Roy Swanson showed the champion, Glenarden Leader, and Thomas Henderson, of Lacombe, took reserve honors on Pride Eston 3rd.

At the auction of 55 selected purebred females, D. C. Dixon, of Maple Creek, paid the high figure of \$870 to J. M. Campbell, of Stavely, for the outstanding Hereford, Britisher Lady 120th. Average of the sale was \$275.36. W. E. Newton, of Del Bonita, paid \$600 for an entry from John Wilson's Innisfail herd, while a Shorthorn offered by Adam Berreth, of Beiseker, went to the Cross Bros., A7 Ranch at \$500, and C. G. Montgomery, of Ranfurly consigned the top Angus female, which went to Thos. Gray, of Maple Creek at \$440.

In the Boys' and girls' baby beef section of the show, championship honors went to Ross Gould, of Rosalind, on his fine purebred Hereford entry, which later sold at auction for 60c per pound. Bud McBride, of Benalto, with a smooth Angus calf, took reserve ribbon. Leta Ruth Boake, of Acme, showed the top entry in the class for animals with predominating

Shorthorn characteristics. Other leading entries in the ring were:

Hereford—2, Robt. J. Edgar, Innisfail; 3, June Marion Hehr, Midnapore; 4, George C. Edgar, Innisfail; 5, Audrey Graff, Ferintosh; 6, Donald Robertson, Westcott.

Shorthorn—2, Roy W. Fisher, Olds; 3, Keith Halstead, Carbon; 4, Alex Pratt, Didsbury; 5, Duncan MacDonald, Grainger; 6, Ronald Morrison, Innisfail.

Aberdeen-Angus—2, Charles Dallas, Bowden; 3, Allan John Ingram, Midnapore; 4, Blanche Ralston, Balzac; 5, Melvin Ralston, Balzac; 6, Douglas C. Rollans, Bowden.

Grand champion fat animal of the show, a Hereford, was exhibited by Jake Wambeke, High River, reserve going to Ross Gould on his baby beef entry.

## Continue Subsidy On Imported Bees

A SUBSIDY of 30 cents per pound on all importations of live package bees, delivered to the importer in Canada during the period March 1 to June 15, 1945, will be paid this year on the same basis as in 1944, the Wartime Prices and Trade Board announces.

The subsidy will be paid to beekeepers, dealers, or any other persons dealing directly with a non-resident supplier and who are importing bees for their own use or for sale.

All applications for subsidy must be made to Commodity Prices Stabilization Corporation Ltd., 69 Rideau St., Ottawa. The special form supplied is number C20A, and it should be filled in with ink or on the typewriter, fol-

lowing exactly the instructions and conditions printed thereon.

This means that receipts or documents to show that the purchase was made outside Canada and that payment was made direct to the supplier, must be attached to the application. The address and name of the purchaser must be clearly written. Further information in this matter may be obtained from the provincial apiarist.

• • •

## POULTRY FOR U.S.

THE Special Products Board recently announced completion of arrangements to supply the United States government this year with Canadian frozen dressed poultry in a quantity up to 30,000,000 pounds.



## A motor oil that cuts repair bills!

Carbon in a motor is an old story.

Periodic engine overhauls to remove carbon deposits are a usual item of expense with many tractor and truck owners. Engine knock-

—what everyone doesn't know is that nearly all carbon formed in motors comes from motor oils.

If you operate any type of gasoline engine, you will be interested to know the results of a carbon-forming test made on the 7 leading premium motor oils sold in the West.



ing, overheating, abrasive scoring of piston rings and cylinder walls, and burned out valves are the result of excessive carbon formation.

Yes, everyone knows about carbon



This laboratory test showed that TRITON Motor Oil contained 38% less carbon-forming elements than any

of the other oils and 86% less than the average!

TRITON Motor Oil is a 100% pure paraffin-base lubricant, carefully refined by Union Oil Company's patented propane-solvent process. This combination of top quality lubrication and low carbon formation means better engine performance and fewer overhauls.

You can get TRITON at any Union Oil Station, or if you would like a supply delivered, just phone the Union Oil Resident Manager in your area.

**TRITON**

Another  
**UNION OIL**  
Success-Tested Product

## Take Concerted Action Against Warble Fly Early in the Season

IT'S time to buy that packet of warble powder at your community store. Mix the powder according to directions on the package and apply it as soon as the warbles appear. You may need to treat two or even three times to get the succession of grubs as they appear, but you'll be surprised and pleased with the results.

A pound of warble powder will treat from 50 to 75 head if directions on the package are followed. One treatment will give about 75 per cent control—but it must be applied at the proper time, and that is just before the grubs drop to the ground. Three treatments begun at this time and spaced at three or four-week intervals will give 100 per cent control for the whole year.

A concerted drive is being carried on in Southern Alberta, and spraying machines are being treated. R. H. Painter, of the Dominion entomological service, Lethbridge, is in charge of the anti-warble fly campaign.

• • •

THE B.C. Sheep Breeders' Association at its annual meeting in Kamloops elected as officers Wm. Harrison, of Pritchard, president; R. Heron, of Kamloops, and J. S. Graham, of Kermeos, vice-presidents; S. H. Baker, of Kamloops, secretary-treasurer.

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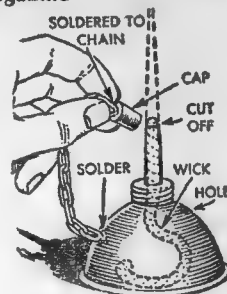
Esso Extra—3-Star Gasoline—Acto Gasoline—Tractor Distillate—Diesel Fuel—Essolite Kerosene—Marvelube Motor Oils—Gear Oils and Greases—Imperial Essolube HD Motor Oil.

## Handy Devices

By Courtesy Popular Mechanics Magazine

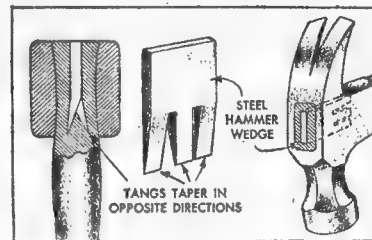
### ALCOHOL LAMP FROM OILCAN

IT is an easy matter to make an alcohol lamp from a small oilcan. Just cut off the spout an inch or so above the can, insert a wick and provide a cap to extinguish the light. This can be a piece of tubing closed at one end and attached to the can with a short length of small chain. A tiny vent hole should be drilled in the can close to the screw top.



★ ★

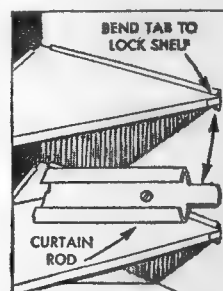
### NON-LOOSENING WEDGES HOLD TOOLS ON THEIR HANDLES



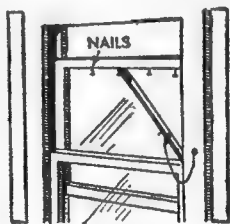
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### CORNER SHELVES SUPPORTED SAFELY

WHEN you want to put up corner shelves of either glass or wood, sections cut from a flat, telescoping curtain rod will provide good supports or brackets. One end of each section is shaped to provide a projecting tongue, then the sections are screwed to the wall, the shelves inserted and the tongues bent around the corners of the shelves.



★ ★



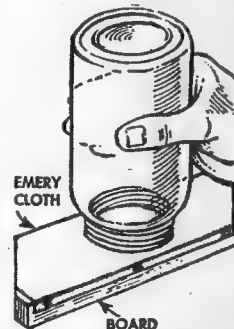
### WINDOWS HELD AT DESIRED LEVEL

RATHER than use props of various lengths to keep shed or poultry-house windows open at a desired position for ventilation, you can do it easily with one stick and a few nails. Just drive the nails into the underside of the top sash and prop the stick between any one of them and the lower sash as shown. The stick can be kept handy by fastening it to the frame by a cord.

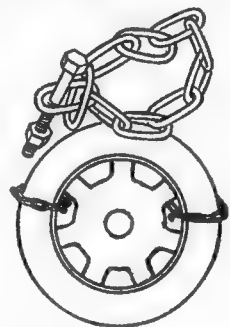
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### SMOOTHING TOPS OF CANNING JARS

IF you have some glass canning jars on which you cannot use vacuum-type lids because the upper edges of the jars are slightly rough, here is an easy way to smooth them. Tack a strip of waterproof emery cloth of 90 or 100 grit to a smooth board, using a strip about 4 in. wide and 16 or 18 in. long. Stretch the abrasive taut, place the mouth squarely on the abrasive and rub it back and forth. Use water on the cloth to prevent clogging.



★ ★



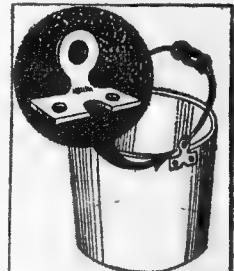
### LOCK RIMS CHAINED TO TRUCK TIRE FOR SAFETY WHEN INFLATING

AFTER being injured by a lock rim that flew off while inflating a repaired truck tire, the driver of a road-service car now chains the rim to the wheel as indicated. The chains are passed between the wheel spokes and around the tire and rim where they are fastened by inserting one end link through the other, a bolt being run through the projecting link to secure the chain. It takes only a few minutes to attach and remove the chains, which prevent the lock rim from flying off if it is loosened while the tire is being inflated.

★ ★

### SIMPLE REPAIR FOR WATER PAIL

IF one of the ball ears on a pail breaks, a repair can be made by using a window-shade fastener. Just bend the arm of the fastener back, shape the fastener to the curvature of the pail and attach it with rivets. Or, you can scrape and sand off any finish that may be on the fastener and solder it in place.



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## Moisture Reserves Point To Lower 1945 Crop Yields

AN analysis of the rainfall which occurred over the prairies between harvest and freeze-up—usually termed “fall rains”—taking into account also the moisture accumulated on land that was summerfallowed last year, indicates that the moisture reserves which will be available for the crop to be seeded this coming spring are less than normal, writes Major H. G. L. Strange. The exact figures show that reserves available for the coming crop will be 88% of normal. This means that if a normal or average yield per acre is to be enjoyed this coming year, better than average rains will have to fall during the summer months.

Such better than normal precipitation in summer months sometimes does occur. It did, for instance, happen this last summer when the reserves at seeding time last year were only 82% of normal. What we can say, however, says Major Strange, is that the odds are somewhat against such better than normal rainfall occurring, which leads to the conclusion, from the evidence now available, that the chances are we shall harvest a less than average yield per acre on our prairies this coming year. This leads to another thought. This would be a good year, apparently, for those who can manage it, to increase somewhat their acreage to be summerfallowed.

## Oats, Barley and Flax Meal Mixture Supplements Skim Milk for Young Calves

THERE is usually a marked difference in the rate of growth, fleshing, and general thrift of calves that nurse and those that are pail-fed. Part of this difference can be overcome by feeding the milk three times daily instead of twice, by making sure the milk is at approximately blood temperature when fed, and by using a suitable meal mixture as a supplement to the skim milk.

At the Experimental Farm, Brandon, the meal mixture used for feeding with skim milk is made up of two parts finely ground sifted oat chop, two parts finely ground sifted barley chop, and one part ground flax. It is prepared for feeding by adding scalding water to the meal a few hours

before being fed. The mixture when cool forms a jelly, and it is in this form it is added to the milk. Two heaping tablespoonfuls of the dry meal is the allowance given to young calves.

The amount is gradually increased until one-half to three-quarters of a pound daily is being consumed. The meal mixture contains fat and protein and has proved a suitable supplement to skim milk for calf feeding. In addition to the meal added to the milk, the young calves are self-fed a dry mixture of whole oats and bran, to which ten per cent of oil cake meal or ground soy-beans is added, and they are also given the best quality of hay available as soon as they will consume it.

## Treatment of Seed For Smut Important

WITH seeding time rapidly approaching, the matter of treating seed against smut comes up for attention. On some farms, it has become rather a custom to treat seed every second year only, and take a chance in the alternate seasons. Prudent and experienced farmers, however, say this is risky.

This year, more than ever, seed should be treated, for authorities are warning that smut, particularly bunt or stinking smut, is on the increase. The cost of treatment varies according to the preventive used. Formalin, a sure preventive, is the least expensive, costing little over half a cent per bushel of seed. It is also easy to apply without special equipment and is one of the most widely used smut preventives on the prairies. It is exceptionally effective against covered or naked smut of oats of the hulled varieties, but should not be used on hullless oats. It pays to treat your seed, when treatment is applied properly, and economically, according to directions.

## SOILS DEPRECIATING

A WARNING comes from Dr. E. S. Archibald, director of the Dominion Experimental Farms, that constant production of cash crops, such as corn and wheat, burns up vital organic matter and is depreciating the quality of soil to a dangerous extent in parts of Canada. Dr. Archibald told the Canadian Cattle Breeders' Association meeting in Toronto that tens of thousands of acres of Canadian farm land have become run down through soil starvation.

## Select Best Birds As Breeding Pen

ALTHOUGH the average poultry man cannot afford to trap-nest his hens, he can greatly improve his flock by making a special breeding pen of his best male bird and a few choice hens or pullets. In choosing his breeders both egg-producing and standard qualities should be kept in mind.

By toe-marking or branding, the chicks hatched from this pen it will be found that the chicks hatched from the eggs from this pen will be superior to those from the general flock.

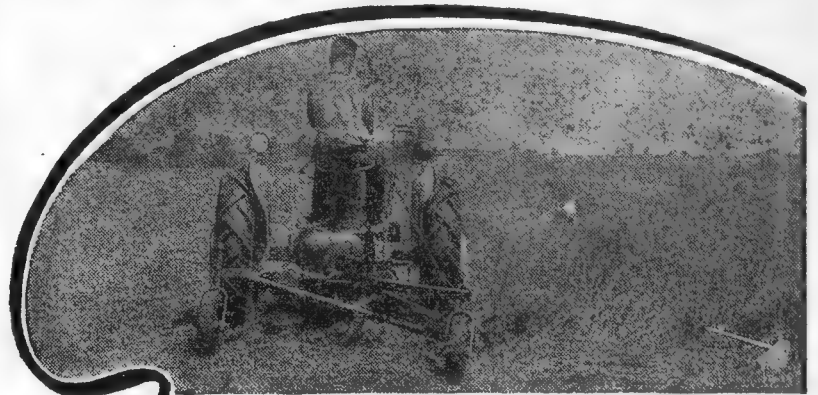
## Forecast Settlement In Big Central Area Under Irrigation Plan

DIRECTORS and officers of the Central Irrigation Association at Hanna recently heard an outline of the Red Deer River diversion project given by E. L. Gray, superintendent of water development, P.F.R.A., Regina. James Cameron, of Youngstown, is president of the association.

The plan as discussed calls for damming the Red Deer River at a point near Content bridge. This would supply enough water to irrigate approximately 500,000 acres. It is estimated the work will cost \$6,750,000, and will employ 1,500 men for 18 months. It will supply water to 1,200 miles of presently dry creeks, including Bull Pound, Berry Creek, Blood Indian and Alkali.

The project will mean in the course of several years, the re-establishment of 7,500 families or a new population of about 30,000 people, it was stated.

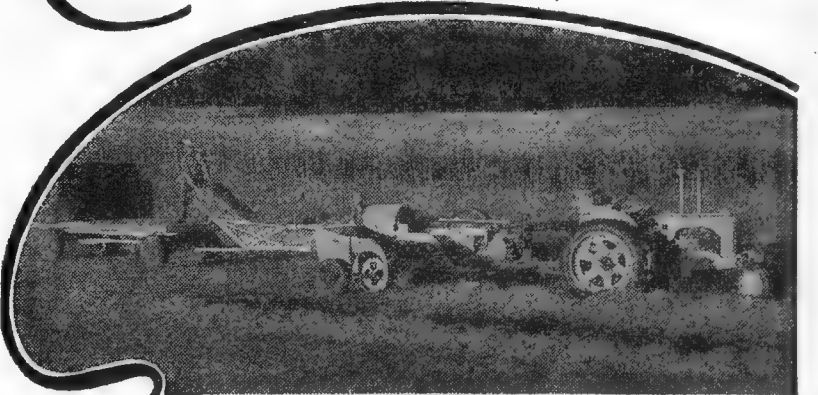
# 3 Simple Steps for Making Better Hay



**1** Cut When Protein is High, usually earlier than has been customary. Mow only what you can take up in one day. Cut quickly, to secure uniform curing. The new Case trailer-mower takes 7-foot swath, best width for ideal windrows; cuts three acres an hour. It has power take-off drive for fast, full-swath cutting regardless of footing, yet hitches quickly to any modern tractor.



**2** Windrow When Wilted, before any leaves are dry enough to bleach or shatter. Rake in same direction as mowing to put leaves inside, protected by stems outside. Case side-delivery rakes have scientifically curved teeth to make high, fluffy windrows that favor quick curing. Tractor model has 4-bar reel geared slower for clean, gentle raking at modern tractor speeds.



**3** Put up "Packaged Pasture" with a Case Sliced-Hay pick-up baler. It handles 7-foot swath at same fast speed as tractor mower and rake, permits baling at uniformly correct cure. Gentle pick-up and complete absence of feeder-head avoid rough handling that might thresh off precious leaves. Bales open up into portions like sliced bread; no pulling apart to lose leaves at feeding time.

# CASE

Invest  
In The Best  
Victory Bonds

Plan now for the extra earnings from better hay. Ask your Case dealer how to use the Case system of hay-making as far as possible with your present equipment. Inquire about possibility of getting delivery on new haying machines. Ask him or write us for new free bulletin "How to Make High-Protein Hay." J. I. Case Co., Calgary, Edmonton, Regina, Saskatoon, Winnipeg, Toronto.



# The Story of the Life Insurance Dollar

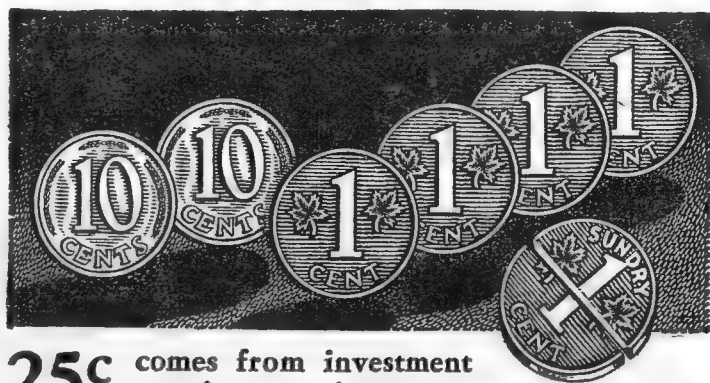
WHERE IT COMES FROM



WHERE IT GOES TO



**75¢** comes from premiums paid by policyholders for insurance and annuities.



**25¢** comes from investment earnings on insurance funds (24½¢) and sundry sources (½¢).

**FOR EVERY 75¢ RECEIVED IN PREMIUMS AS SHOWN ABOVE, 84¢ IS EITHER PAID TO POLICYHOLDERS OR THEIR BENEFICIARIES, OR IS SET ASIDE IN RESERVE FOR THEIR FUTURE BENEFIT.**

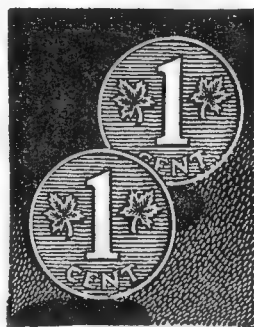
*The figures in this analysis of the life insurance dollar are based on the latest published report of the Dominion Superintendent of Insurance.*



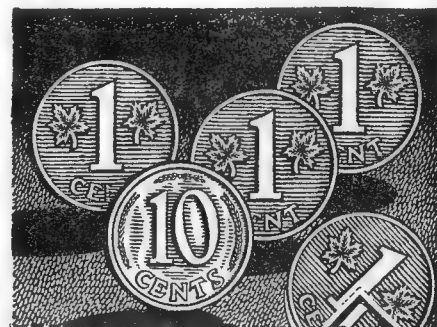
**84¢** goes to policyholders and beneficiaries. Of this amount:—

**53¢** is in payment of death claims, maturities, dividends, and other policy benefits:

**31¢** is invested to provide for the future benefits guaranteed to policyholders.



**2¢** is paid to governments in taxes, licenses, and fees.



**14¢** is paid out in commissions to agents, salaries, medical fees, etc., including ¼¢ to shareholders.

*It is good citizenship to own* **LIFE INSURANCE**

*A Message from the Life Insurance Companies in Canada*





## WESTERNER IN IMPORTANT POST

D. M. McRae, of the Department of Finance, Ottawa, who will handle the administration of the recently proclaimed Farm Improvement Loans Act, is a westerner with an agricultural background, legal training and extensive experience in the field of agricultural credit. Born on a farm in Manitoba and raised in the livestock business, he operated a cattle ranch and engaged in the livestock business in the foothills of Alberta, subsequently attended the University of Alberta, graduated in law and became a member of the Alberta Bar. After graduation, he joined the credit department of the Massey-Harris Company, and served with its Winnipeg, Yorkton, Saskatoon and Edmonton branches as credit and collection manager. Mr. McRae knows the farmer, appreciates his problems and understands his requirements. His wide experience and extensive training in the agricultural credit field should ensure a sound administration of the Act.

## Shelter Belts

(Continued from page 4)

because the trees kept the hot winds out."

G. F. Eby, Phippen, Sask., believes the work of supplying trees to farmers in his district is appreciated and said: "It certainly helps the appearance of the farm as well as the shelter one gets . . . I have had about 12,000 trees from you since 1915, and feel that the time spent in planting and caring for them has been repaid many times."

George H. Fuller, Imperial, Sask., who planted his first trees in 1916 when speaking of his trees and windbreaks said: "A great help to gardens and add considerable to make farm life more pleasant."

Mrs. R. Reiersen, Edberg, Alta., said: "Our shelterbelt is a real joy, and we have 2,000 trees all doing well. Thank you for your service in giving us all the trees."

Fruit trees were planted in the school grounds at Creelman, Sask., so that people visiting the school grounds could see what could be done in that direction. Geo. Abbot speaking of the fruit and shelterbelt trees at the Creelman school said: "These have done very well. The school grounds are a great inducement for others to grow trees and for getting the trees. There are some wonderful evergreens."

Of how many school grounds can the same be said? What are your tree-planting objectives for 1945? The Dominion Forest Nursery Station at Indian Head will be glad to assist you, with deciduous trees free or with evergreens at a nominal charge of \$1 per 100.

## Ontario Holstein Sets World Record For Milk Production

A PUREBRED Holstein cow, owned by J. J. E. McCague, of Glenafon Farm, Alliston, Ont., early in March completed a world record for yearly milk production over all ages and breeds on three-times-a-day milking. She is Jasmine Pabst Meg Posch, and she started her record when nine years old, producing in 365 days 31,791 lbs. of milk, containing 1,167 lbs. of butterfat. Only one other Canadian Holstein has ever beaten her yearly fat record.

It is interesting to note that during her best month on test she produced 3,391 lbs. of milk which is approximately double her own weight and that every month during the year she gave at least a ton of milk. For four straight months she milked over 100 lbs. daily with a high of 115 lbs.

## Kinsmen Auction Will Help British Children

PLANS are being made by the Kinsmen Club of Calgary for a livestock auction on June 8 in aid of the Club's Milk for Britain fund. Members of the committee in charge emphasize that British children still are in serious need of assistance which can thus be provided.

The Associated Milk and Cream Producers of Calgary are co-sponsors of this campaign, having promised to donate a substantial number of animals, and Kinsmen hope that a number of other livestock associations will lend their support to this worthy effort.

## Sawfly Control

(Continued from page 12)

b. Leave a bare strip of summerfallow between the trap and the wheat crop to be protected. This must be kept black and clear of weed growth during the flight. Therefore it should be worked before the first week in June.

c. The trap must be cut and worked down by July 15 to kill the grubs in the trap. If this is not done the value of the whole trapping program is nil.

3. SEED TRAP STRIPS FIRST, THEN IMMUNE CROPS SUCH AS OATS, BARLEY AND FLAX AND LEAVE THE WHEAT SEEDING AS LATE AS POSSIBLE, PREFERABLY AFTER MAY 15. Since sawflies prefer the more advanced stems, the traps should be sown early. It has been found that oats and barley give better returns when sown early. Infestations will be reduced if wheat seeding is delayed, as the later the wheat the smaller the number of stems suitable for egg-laying. It is also possible to delay wheat seeding to escape infestation.

4. COMBINE IMMUNE CROPS WITH SUMMERFALLOW. By sowing oats, barley and flax in combination with summerfallow in a portion of the farm it is possible to completely eliminate sawflies from this block in one year.

5. USE SHALLOW TILLAGE EFFECTIVELY. Additional sawflies can be destroyed by shallow-working infested stubble margins in the fall or early spring. In the fall the margins should be worked as soon after harvest as possible, working shallow and fast to bring as many stubs to the surface as possible.

In addition to the points mentioned, supplementary control may be obtained by swathing or binding a crop which is known to be infested. This should be done as early as possible in order to place the grain where it can be threshed before the stems fall over.

Further information on the existing sawfly situation and the various control methods will be given in future issues.

## Safeguard

YOUR WAR SECURITIES  
with this low-cost plan

We will keep your Victory Bonds in our vaults, clip the coupons and credit the amounts to your savings account—for 10¢ per annum for each \$100 of bonds, minimum charge 25¢.

We will keep your War Savings Certificates for the entire 7½ years to maturity—for 10¢ per \$5, up to \$1 per \$500 certificate.

If you should need cash, you can BORROW from the Bank, using your Victory Bonds as security.

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Be sure to have at hand the colorful free Franklin catalog with the latest scientific protection against livestock losses.

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### FRANKLIN VACCINES

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QUALITY FARM EQUIPMENT

**B**OTTOMS are the "business end" of the plowing outfit; no other feature of the plow you buy will have so great a part in determining the satisfaction, service, and dependability you will get from your investment.

John Deere Bottoms, in more than a century of meeting farmers' requirements the world over, have established their leadership in all the features that mean satisfaction and dependability.

Those better plow bottoms, available only on John Deere Plows, are in themselves sufficient reasons why your new plow should be a John Deere, but John Deere goes "all the way" to give you other plow features matched to the quality of John Deere Bottoms.

See your John Deere dealer; learn all about John Deere Plow Bottoms—then choose the John Deere Plow built to meet your requirements and your power.

JOHN DEERE PLOW COMPANY, Ltd.

Winnipeg . . . Calgary . . . Regina



"While the earth remaineth,  
seedtime and  
harvest... shall not cease."

Farmers know, maybe better than a lot of other people, what it means to invest both time and money. Plowing, harrowing, seeding—and then waiting while sun and rain and the good earth produce a bountiful crop—surely that is one of the biggest investments of all. And it has been going on for thousands of years!

So it is not strange that farmers know the value of Victory Bonds as an investment, too. Savings "Sown" in Victory Bonds are safe beyond doubt—they earn twice as much interest as money in the bank—and they are backed by Canada's promise to repay, at maturity, every dollar—in full.



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**VICTORY BONDS**

8TH VICTORY LOAN OPENS APRIL 23RD

NATIONAL WAR FINANCE COMMITTEE





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ELECTRIC POWER FOR EVERY NEED  
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Washing Machine  
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Now you can get prompt delivery of a new 1945 model Jacobs Wind Electric Plant. Jacobs famous design of dependability includes 14 foot variable pitch propeller, completely automatic battery charging and voltage control and many other exclusive features.

Start now to use the free wind to supply Electric Power for every need. Over-size capacity will take care of all post-war electrical appliances, electrically driven farm tools and farm machines.



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**SIMPLE,  
SAFE,  
EASY TO  
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SEE YOUR NEAREST JACOBS DEALER  
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**DEALERS:** Desirable sales territory is still open to reliable dealers who already operate going businesses. A Jacobs dealership will give you another profitable line. **WRITE!**

# THE AUTOMOTIVE SUPPLY COMPANY

LETHBRIDGE, ALBERTA

## Editorials by PRACTICAL FARMERS

I SHOULD like to point out that the Agricultural Prices Stabilization Act proposes to arrange for the export of surplus products and the maintenance of reasonable prices on the domestic market.

The Act does not definitely provide to the producer minimum or floor prices for farm products regardless of the actual selling price. (These are to be gauged by the actual price which prevails with regard to that commodity.) Provision is made in the Act to enable the Prices Stabilization Board to provide subsidies or take other measures to avoid price collapses.

In the event that so-called floor prices should be placed so low that in the farmers' estimation production would only be done at a loss, then it would not be reasonable to expect the farmer to maintain maximum production at such a price level.

On the other hand the Government can always refuse to accept more than a stipulated quota at a ceiling price. This has been done under the quota regulations and always provides the Government with plenty of latitude for escape if in their opinion the price is a stimulation to surplus production.

If we may be allowed to take the words of Mr. Taggart at their face value when he says, "If we can find a way to forestall 30, 40 and 50-cent wheat prices we may have to forego \$3 wheat", we would reply that, if the Board regards 30, 40 and 50-cent wheat as just as ridiculously low as \$3 wheat is high, then we are in accord with him and agree that somewhere equidistant between these points Parity lies.

Farmers should watch closely the administration of this Act as while it can, if applied with courage, serve a useful purpose, it is sufficiently elastic that it could prove to be only another costly piece of interfering administrative machinery that does not serve the interests of the farmers, and cannot in any event take the place of an intelligent parity price policy.—H. E. Nichols, Secretary, Alberta Farmers' Union, Edmonton.

★

AS we read news items from many districts in Alberta and Saskatchewan, I thought it might interest prairie folks to read about our fruit-growing area in East Kootenay, 68 miles west of Cranbrook. It is well known for its great variety of fruits, vegetables, prize-winning seed grains, grown on a light, sandy soil, irrigated by Arrow Creek. A mild climate helps to produce a good living for the growers and is well suited to livestock and poultry raising. Hay, mostly alfalfa and red clover, is usually cut twice a year.

A local sawmill is supplying slabwood for cook stoves until the fruit-growers can again get gas and tires for their trucks, then they will get busy hauling and sawing dry logs during the winter.

Many orchards have changed hands in the past six months. Prices range from \$1,000 up, with or without buildings, depending on size, location, number of bearing trees and amount of land cultivated.

Pruning is completed and it will soon be time to start spraying. The good snowfalls have disappeared from the low lands but it has been freezing most nights.

Tourists are always welcome. They see for themselves how fruit is grown

(Continued on page 24)

## NEW, Faster HINMAN MILKER

**SAVES LABOUR—Helps You Get MORE MILK, MORE BUTTERFAT**

Write today for free folder on the new Hinman—a milker so simple that a boy or woman can milk up to 30 cows per hour with two Hinman units.



Cows like its fast, gentle milking action. Gets more milk and butterfat than all slower milking methods. Leading dairymen say this extra production soon pays for the Hinman.

Easy to handle, easy to clean, the new Hinman is the result of 33 years spent in making milkers. Write today for the new Hinman folder — no obligation.

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This powerful preservative is a compound of 5 proven industrial preservatives each many times more powerful than creosote, tar or bluestone.

The "Osmose" treatment has been used since 1900 by Governments, large industries, railways, etc. Over 90 Canadian Power Companies use "Osmose". Over 1,500,000 power, telephone and telegraph poles treated in the U.S. and Canada, your guarantee of satisfaction.

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Gallons \$3.95—treats 80-150 posts

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## Mustard Seed Proves Valuable Crop for Southern Alberta

By C. FRANK STEELE

**HAVE** a hot-dog-and-mustard!"

Ten to one you'll accept the invitation and when you lather the piping-hot frankfurter with fresh, smooth-flowing mustard there is a big chance that the spicy topping was grown in Southern Alberta.

For ten years or more now commercial mustard seed has been successfully grown in a small section of Southern Alberta. We are told that the area south of Lethbridge to the Montana border and a limited section east and west of Lethbridge is the only part of Canada where good commercial mustard seed can be grown. "It's the sun and the air, the atmosphere I think," one large seed dealer told the writer not long ago. "That's what I put it down to."

He went on to explain that mustard calls for a dry climate yet not too dry. It must have the necessary moisture to make a crop, of course; about the same amount of rain as wheat. But a dry atmosphere is needed to give just the right rich colour to the seed and the desired hardness. Mustard seed has been grown in Central Alberta, but not successfully, this expert said. "It just doesn't cure up to the point where it will be accepted by the manufacturers," he said. The Lethbridge district mustard, however, is as good as the best grown in Northern Montana, and that area produces 75 per cent of the commercial mustard seed used in the United States, with a little grown in California, Eastern Washington and Dakota.

**T**HE mustard industry in Northern Montana has been developing for years now, and growers on the whole have done exceedingly well. In fact, it was from this interesting special crop growing south of the border that farmers in Southern Alberta ventured into the crop. The soil and climate are the same along the border. Test plots were tried first and finally it was demonstrated that quality mustard could be successfully ripened. The pioneer in the business was the late George W. Green, of Lethbridge, early Alberta miller. Mr. Green and his firm gathered all the available data on culture and marketing from Montana and sponsored the first venture at growing the crop. L. B. Knowlton, of the Green firm at Lethbridge, has done a lot of development work among the farmers and found an outlet for the commercial mustard seed among eastern Canada prepared mustard, spice and pickle manufacturers. Today the Geo. W. Green Company and O'Loane Kiely & Company, of Lethbridge, are handling the production from the farms raising mustard seed.

### Grown on Summerfallow

Mustard is an annual and it is seeded like most small seeds, about an inch deep in clean, well prepared seed bed. The land must be summerfallowed, and six pounds to the acre has been found to be about right in Southern Alberta. A grass seeder can be used in planting the plots and the seed is sown in April or early May. It is harvested in late July and early August and is straight combined. Early planting gives the fields the advantage of the early rainfall, a decided help. Mustard is a good drought-resistant and is a dry land crop. The plants grow about two feet high, and the seed is

delivered to the cleaning plants at Lethbridge either loose in trucks or in sacks.

Mustard, like sugar beets, is grown on contract, the farmers having the advantage of an assured market. It is a cash crop, the farmer netting around 6 cents a pound. The average yield is 400 to 600 pounds to the acre, while farmers show yields up to 1,000 pounds.

Contracts range from 40 acres to half a section and Southern Alberta raises around 10,000 acres a year. The war has not affected the demand for mustard, and growers who know the crop and handle it properly are making money. The crop is not hard on land.

**A**NOTHER special crop that is receiving some attention in the district around Lethbridge is rape, the seed of which goes into the manufacture of certain kinds of machine oil. It is a smaller crop to mustard, but is government-controlled during the war. There is an oil-pressing plant at Moose Jaw which handles the output.

The acreage sown to rape is small. There is some commercial rape seed grown around Camrose and east to the Saskatchewan border. It is a dry-land crop, but requires a little more rainfall than mustard. Black Argentine is the variety grown in Alberta, and it has been found to do very well. Numbers of South Alberta farmers will grow small acreages of rape this season on contract.

...

### Important Bulletin On Soils and Crops

**O**NE of the most important publications issued in recent years for the guidance of Alberta farmers has come to the desk of the "REVIEW". Listed as Bulletin 44, and entitled "Cropping for Profit and Permanency", it is written by W. E. Bowser, of the Dominion Experimental Farms, senior soils specialist of that branch attached to the University of Alberta, and A. G. McCalla, professor of field crops at the University.

The writers have compiled much valuable experimental data explaining the influence of climate and soil type on agricultural production and outlining treatment of land in various areas for best crop results. Extensive use will be made of this publication in teaching agriculture courses. Copies of Bulletin 44 are available for distribution to farmers and others interested through the U. of A. Extension Department.

...

### WILD OATS COSTLY

**W**ILD oats cause a greater loss to agriculture in Alberta than any other weed. Consequently, every effort should be made to keep them under control. H. J. Mather, supervisor of soil conservation and weed control, is the author of a pamphlet on the control of wild oats in this province. Copies of this pamphlet may be obtained by writing to the provincial department of agriculture, Edmonton. Every farmer should have a copy of this pamphlet.

...

**I**MMEDIATE abolition of the present daylight-saving regulations was the first recommendation calling for action in the brief presented to the Dominion cabinet on February 23 by the Canadian Federation of Agriculture.

Could she  
carry on  
*alone?*



**Y**OUR WIFE looks after the house and the chickens, and even helps with your chores when you are rushed with other work. But yours is the real responsibility of managing the farm. And if something happened to you she would need extra cash to keep it going.

Through ordinary saving it would take many years to lay by enough for any eventuality. That is the reason you need Life Insurance protection.

Life insurance guarantees immediate security. And it can be planned to provide a steady income for yourself later on.

Life insurance companies are much alike as to policies and rates, but actual long-term results vary widely. We invite you to compare The Mutual Life of Canada's record with that of any other company. Evidence of the satis-

faction of Mutual Life policyholders is furnished by the fact that whole families and succeeding generations have entrusted their life insurance programs exclusively to The Mutual Life, and each year approximately 35% of the new business comes from our policyholders.

Have a Mutual Life representative explain the special features of this Company . . . and let him help you select a policy adapted to your particular circumstances. Because of gasoline rationing, his travelling is limited these days . . . to be sure of a visit, call or write your nearest Mutual Life of Canada office today.

And write today for a free copy of The Mutual Life's special farm booklet, "What Life Insurance can do for the Canadian Farmer."

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# Personal Loans

A LOAN OF \$100, repayable in twelve monthly instalments of \$8.34 costs \$3.25 at branches of this Bank. Other amounts are obtainable on the same scale of cost.

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Established 1887

## Don't Let Me Down, Daddy!

HE has sublime faith in "Daddy's" power to guard him from mischance. No man would willingly betray such trust. Even so, every father is subject to the contingency of a shortened life. Failure to provide against it may let his loved ones down into a sea of want.

The way to avoid this disaster is to own enough Life Insurance to guarantee a monthly income to his family. Then his protective power will live on even if he is taken away.

If you are not absolutely sure that your family would have enough money to live on month by month, fill in and mail the coupon below. It will bring advice as to how best to arrange such an income within the means at your disposal.

**THE MANUFACTURERS LIFE INSURANCE COMPANY**  
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(Mail this coupon to local address given above)

I want to know how best to provide a monthly income for my dependents within the means at my disposal. It is understood that your advice does not place me under any obligation.

Age.....Name.....

Address.....

## Editorials by PRACTICAL FARMERS

(Continued from page 22)

and prepared for market. Some even pick and can fruit for their own use during their summer vacations in Creston Valley.—Sally, Erickson, B.C.

AFTER reading the letter of A. R. J., Raymond, Alta., I have been wondering why this gentleman is not aware of the drive now being carried on in the western provinces to raise funds and enlist membership in Canadian Co-operative Implements Limited.

### For Co-op. Implements

You know, Mr. Editor, an investigation carried out by the U.S. government in 1936, one by the Dominion government in 1933 and one by the Saskatchewan government in 1938 found out that machinery prices were too high.

The only remedy is for farmers to form co-operatives and that is exactly what the C.C.I.L. means, but still there are many farmers who hesitate to invest a dollar membership or five cents per cultivated acre for the future reduction of implement prices, when they lose, year after year, hundreds of dollars owing to the high cost of distribution.

We have wheat pool elevator agents paid full time who will be glad to help distribute machinery and repair parts. Co-op. managers would do the same. Bad debts and trade-in losses could be nearly eliminated.

We are facing a period of high farm machinery prices as soon as the war is over never heard of in any country in the world unless we form a strong co-op. prepared to distribute our farm machines, and if necessary, manufacture them. The three prairie provincial governments would back this plan, but the farmers must support it.—Yves Rouzault, Crichton, Sask.

IT seems to the writer that it is about time that this silly chatter about "people not knowing there is a war on" was ended.

The latest is from the pen of Norman Cousins, Editor of Saturday's Review. A full column tirade is directed against all and sundry who would have the temerity to smile while the war is still unfinished.

### Banish Gloom

Mr. Cousins is especially irked because people are getting cloyed with war pictures and books, and stories about war. He apparently is afflicted with that mental quirk which leads the heathen to disfigure and torture himself in order (as he thinks) to appease and find favor with his gods; or the Pharisees of Bible times who went forth with sad countenances in order to impress people with their piety.

I am one of those who think that, after we have done everything possible to win the war and relieve distress in the world, then we are entitled to all the pleasure and happiness that life affords.

There will always be suffering, starvation and all kinds of calamities in the world, and in order to carry this self abnegation idea out to its logical conclusion, we should always be in a state of gloom. The theory doesn't appeal to me and I hope that more people will express themselves on the subject.—G. W. Stockton, Carlyle, Sask.

GET the chicks out on to clean ground as soon as weather permits. Consider chickens as a crop and work them into the rotation so they will have a clean field every year on which to pasture.



DOROTHY DEANE

Talented singer of well-known, well-loved songs, Dorothy Deane is featured with six other stars on The Earlybirds — the "Every-ready" Battery half-hour program which is broadcast early every Saturday morning on 37 Canadian radio stations.

### Seed Potato Supply Limited; Order Early

DEMAND from the United States and from other countries for Canadian certified seed potatoes is particularly active, the Agriculture Department reports.

In view of this, Canadian potato growers are urged by the Department to place their orders for seed potatoes without delay. If they fail to do so they may find when planting time comes that dealers will be unable to fill orders. At present there are enough seed potatoes available to fill all orders that are placed, but if the orders from export markets continue to roll in as they are now doing, the supply may soon be exhausted.

Potato growers are reminded by the Department of the advantages of certified seed to get increased yield and a better crop.

### CANCEL CONVENTION

MEMBERS of the Western Stock Growers' Association, meeting in Calgary on March 19, decided to cancel their 49th annual convention which would have been held in Lethbridge in June. This action was decided on as a result of Ottawa requests that such gatherings be postponed wherever possible. New directors will be elected through a mail ballot distributed to the members.

### LESS MACHINERY

THE 1945 production of farm machinery in Canada may be 10 per cent below that of 1944, and in the United States it may fall off 25 per cent, according to H. H. Bloom, administrator of farm machinery in Canada. He says there is little hope that that rationing in farm machinery can be lifted or supplies increased until 1946.

### ON THE SPRING CALENDAR

- April 3 - 5 — Manitoba Winter Fair and Bull Sale, Brandon.
- April 4 — Alberta Percheron Horse Club Annual Meeting, Calgary.
- April 4 - 7 — Calgary Horse Show.
- April 6 — Saskatoon Horse Sale.
- April 10 - 13 — Edmonton Spring Show and Bull Sale.
- April 11 - 13 — Regina Horse Sale.
- May 1 — Lacombe Annual Bull Sale.
- May 28 - 29 — Lloydminster Calf Club Show and Bull Sale.
- June 8 - 9 — Prince Albert Fat Stock and Bull Sale.



# WIT OF THE WORLD

A young lawyer from the north sought to locate in the south. He wrote a friend in Alabama, asking what the prospects seemed to be in the city for "an honest young lawyer and Republican".

In reply, the friend wrote: "If you are an honest lawyer, you will have little competition. If you are a Republican, the game laws will protect you."

Visitor: "And how old are you, Bobbie?"

Bobbie: "I'm just at the awkward age."

Visitor: "Really? And what do you call the awkward age?"

Bobbie: "I'm too old to cry and too young to swear."

"I have a terrible rumbling on my stomach. It's like a wagon going over a bridge."

"It's most likely that truck that you ate this morning for breakfast."



## JUMBO CABBAGE

Largest Cabbage grown, some weighing 30 and some even 40 lbs. Unsurpassed for Kraut and table use. Very interesting to watch these monsters develop. Our sales of Jumbo Cabbage last season exceeded all others. (Pkt 10c) (oz 30c) post-paid.

FREE—OUR BIG 1945 SEED AND NURSERY BOOK—Leads Again to DOMINION SEED HOUSE, GEORGETOWN, ONT.



## To Have a Nest Egg

The housewife, planning for her kitchen of tomorrow; the business man thinking of post-war expansion; the farmer dreaming of new machinery in the years to come; all will need a "nest egg" of savings to make these dreams come true.

There are three savings plans offered by Treasury Branches, tailor-made to fit your needs. Your Treasury Branch manager will be glad to explain them in detail. See him soon, for your "nest egg of tomorrow"!

**TREASURY BRANCH**

"Where's your pencil, Alf?"

"Ain't got one, teacher."

"How many times have I told you not to say that? Listen: I haven't got one, you haven't got one, we haven't got one, they haven't got one—"

"Well, where are all the pencils?"

"I've gone into shop after shop in this town, but I find it impossible to get what I want."

"Yes, it's hard to get credit nowadays, isn't it?"

Smith: "I shall be everlastingly indebted to you, old man, if you'll lend me five dollars."

Tomkin: "Yes, I know. That's the trouble!"

Diner: "I can't eat this soup."

Waiter: "I'll call the manager."

Diner (when manager arrives): "I can't eat this soup."

Manager: "I regret that, sir, I'll fetch the chef."

Diner (when chef arrives): "I can't eat this soup."

Chef: "What's the matter with it?"

Diner: "Nothing, I haven't a spoon."

## NO BEET SUBSIDY

FINANCE Minister Ilsley recently advised the Canadian Sugar Beet Growers' Association that the federal government is not prepared to pay a subsidy on sugar beets or adjust the excise tax on or price of sugar from the 1945 crop.

## OFFICERS ELECTED

MEMBERS of the Southern Alberta Egg and Poultry Producers' Association re-elected Harry Hays, of Calgary, president at their recent annual meeting. P. Woodland, of Swallow, was named vice-president, and Howard Hill, of Calgary, continues as manager and secretary-treasurer.

The board of directors is: R. Manuel, Innisfail; C. P. Dahl, Standard; George Wall, Calgary; W. Williamson, Nobleford; and John Beeby, Calgary.

## World Champion

(Continued from Page 3)

Congratulations from the American Holstein fraternity were brought by W. T. Prescott, editor of the Holstein-Friesian World, Lacona, New York, and tributes to the achievement of the Hays family were voiced by H. J. Colson, editor of the Holstein-Friesian Journal, Toronto, and C. L. Goodhue, president of the Holstein-Friesian Association of Canada, himself the former owner of DeKol Plus Segis Dixie, holder of the Canadian record since 1923.

J. H. Evans, deputy minister of agriculture for Manitoba, toastmaster at the dinner, Hon. D. B. MacMillan, Alberta minister of agriculture, and Prof. J. P. Sackville, of the University of Alberta, expressed appreciation of the part played by Dr. and Mrs. T. E. Hays and their sons, Jack and Harry, the latter president of the firm, in building the dairy industry of the West.

Presentation of a Roland Gissing painting of the farm was made to the Hays family by W. Earl Robertson, president of the Calgary Board of Trade, and Mayor Andrew Davison, welcoming the guests in happy vein, commented that the occasion firmly re-established Calgary's reputation as the cow-town of the West.

# WORLD CHAMPION Alcartra Gerben SPOTLIGHTS



## FEEDS

HAYS LIMITED

CALGARY  
CANADA

March 20, 1945

United Grain Growers Ltd.,  
CALGARY.

Gentlemen, -

ALCARTRA GERBEN

We have pleasure in stating that we have used your Money-Maker Dairy Concentrate during the lactation period of this Cow which Concentrate we have found to be very satisfactory.

Yours very truly,  
HAYS LIMITED,

*Harry Hays*

ALCARTRA GERBEN, one of Hays Limited Holsteins, has set a new WORLD RECORD in the production of butterfat over all breeds and all ages. In producing this remarkable record, over a period of twelve months, she has brought new honor to Alberta's Dairy Industry and reflects credit on MONEY-MAKER DAIRY CONCENTRATE, which was used during her lactation period.

This cow's record is surely a tribute to good BREEDING, good MANAGEMENT and good FEEDING METHODS.

United Grain Growers Limited congratulate Hays Limited and are proud to be associated with their recent remarkable success.

STEP UP PRODUCTION AND INCREASE PROFITS BY  
FEEDING MONEY-MAKER FROM NOW ON!

UNITED GRAIN GROWERS



I HAVE been asked by the Editor of the FARM AND RANCH REVIEW to prepare a short statement under the above title. I do not propose to enter into any argument as to the advantages of grain growing as compared with the production of certain classes of livestock. I shall merely consider some general

## Market Value of Grain vs. Beef or Pork? Many Factors Influence Choice

By DEAN R. D. SINCLAIR,  
College of Agriculture,  
University of Alberta

principles which should be taken into account in attempting to arrive at a decision as to which phase of production should be

emphasized in any given area of the Province of Alberta or on any particular farm.

Our natural conditions offer considerable leeway in connection with the selection of a particular type of agricultural enterprise. From the standpoint of area we have a veritable agricultural empire. Our soil surveyors divide the Province into four zones from the point of view of soil type. In the four zones the total area is given as approximately 140,000,000 acres and of this area some 24,000,000 are regarded as arable or suitable for cultivation.

The average annual rainfall varies from 12 inches in the brown soil zone of the south-eastern section of Alberta to from 17 to 20 in the grey wooded soil belt of the areas lying farther north. The frost-free period also varies from north to south, averaging 125 days in Zone 1 to from 75 to 100 days in Zone 4. The nature of the soil, the amount of rainfall which may be expected over a period of years and the length of time between killing frosts in the spring and fall are factors which must be taken into account in planning a working arrangement between grain growing and livestock production in any district.

### Can Plan Program

Practical experience of the past fifty years or so with research and surveys which have been carried out under local conditions provide a background of information regarding performance which may be expected under a given set of conditions. We are in a position now to plan our farming program more intelligently than was the case when the early settlers took up land in Alberta. For example, we know the areas that produce wheat of the best quality, and we know those that provide enough feed, year in and year out, to offer reasonable security in connection with livestock production. A guiding principle which should be kept in mind would be the development of production in accordance with the natural advantages and limitations of each soil zone in the Province.

In attempting to decide what we are going to do about grains, beef and pork we will have to take into account not only local considerations but probable world demands and world trends in agricultural production and marketing. There are so many uncertainties in this connection at the present time that any attempt at predictions would be ill-advised.

It is certain that there are two and one-quarter billion people in the world and that a large percentage of these



should be better fed than they have been in the past. If plans which have been considered during the past two years regarding the freer movement of food and expanding consumption of agricultural products are developed effectively there may be a tendency in the direction of a moderate shift from grain growing to livestock production.

In the past, world food supplies have been long on starch and comparatively short on protein. To properly balance the world diet more livestock and dairy products would be required. Our planning must take into account pre-war tendencies in connection with reduced wheat acreages, more attention to forage crops and coarse grains—these to be converted into food supplies largely in the form of livestock products.

REFERRING specifically to beef production, we have in Alberta certain areas which are particularly well adapted to cattle ranching. Experience shows that these areas should be reserved for this purpose. Other areas are well suited to the feeding and finishing of cattle. Can we count on unlimited expansion of our cattle business in Alberta? The odds are somewhat against us. The competition of the Argentine must be kept in mind, and we must remember that British farmers are cattle raisers by tradition. Much land now producing grain in Britain will likely go back to grass when the war is finished.

At the same time we have approximately 12,000,000 people in Canada, the great majority of whom eat beef.

Then, too, we have always been able to find an export outlet for a reasonable volume. We should be able to hold our own if we do everything possible to bring about improvement in quality.

Since the winter of 1920-21 a continuous experimental program related to cattle finishing has been carried on at the University of Alberta. The following results indicate the long time outcome of this phase of the beef cattle business:

1. During a 23-year period (1920-21 to 1943-44) the average net difference between buying and selling price was \$1.37 per 100 pounds. This would provide for an average net profit (not including labour) of \$13.70 for a 1,000-pound steer.
2. During this 23-year period there were three years when the finished steers sold for less than the price paid for them as feeders.
3. The average yearly price of the barley fed was 45c per bushel at the elevator and when fed through fat-

(Continued on page 27)



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COMFORT**

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Relax in the soft, comfortable, reclining seat of a luxurious Greyhound Super-Coach and really enjoy yourself. Wide windows, well above the line of traffic, afford an unobstructed view of the passing scenery. Frequent service is timed to your convenience. Next time you travel, go Greyhound and enjoy these comforts at low cost.



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**GREYHOUND**  
LINES

## Paint that Protects

ONE COAT OF **KLING-KOTE** plus ONE COAT OF **STEPHENS' PAINT**  
THE ORIGINAL *Stephens'*  
REGISTERED TRADE MARK  
**2-COAT PAINT SYSTEM**





## Livestock or Grain

(Continued from page 26)

tening cattle a return of 76c per bushel was realized.

4. On the average the hay fed to these cattle was valued at \$8 per ton on the farm.

5. Cattle finishing resulted in (a) better finished beef, (b) creation of a market for farm-grown roughages, and (c) enhanced value for oats and barley.

When considering our plans for future development of our swine indus-

try, it is well to remember that pork is a product that can be cured readily and for that reason it can circulate a little more freely in world trade than is the case with some other meats. According to present conditions we appear to have what amounts to an assured outlet for all we can produce for the next three or four years.

Some adjustments will undoubtedly be necessary during the post-war years, and in this we will be guided by Great Britain's import arrangements and the position which our old competitor, Denmark, will occupy on the British market. We must remember that within three years of the end of the first world war, Denmark was supplying Great Britain with approximately 50 per cent of its bacon requirements.

The history of the swine business in Alberta suggests that the marketing of grain in the form of pork has been an economically sound procedure. At the University of Alberta our attempts at relating the cost of swine production to market price have led to the following conclusions:

1. During a period of 27 years (1918 to 1944) the average basic price of hogs on the Edmonton market has been \$10.23 per 100 pounds live weight, or the equivalent of \$13.65 per hundredweight in the carcass.

2. During this period the average cost of production has been estimated at \$7.80 per hundredweight (including interest, depreciation, labour charge, and 450 pounds of grain per 100 pounds live weight gain).

3. The average elevator price of barley has been 50c per bushel, and the average return on barley marketed through hogs has been 79c per bushel.

4. During this period there were three actual "loss" years—1924, 1928, and 1932.

5. The years prior to the establishment of the British bacon quota were marked by violent "ups and downs" in price and marked variations from month to month.

6. The present system of trading has resulted in an almost constant relationship between cost of production and selling price.

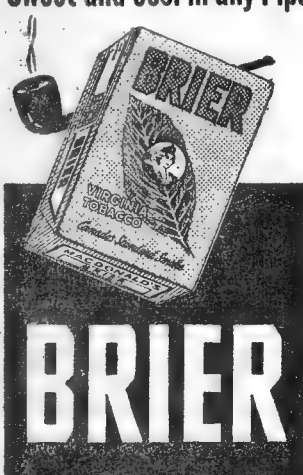
The statements which have been made thus far do not constitute any formula which can be used in arriving at a decision as to whether there should be "more grain" or "more beef and pork" in any given area or on any particular farm. Each individual should size up his own situation carefully. There are so many uncertainties that it is impossible for anyone to flash the proper coloured light at the present time. It is a time for careful study on the part of every grain grower and livestock producer. The practical knowledge and scientific information relating to soil and climate in each area should be carefully considered, the history of our various agricultural enterprises should be reviewed and world trends in production and marketing should be taken into account. In the long run, of course, price relationships will play an important part in establishing the balance of power as between grain and livestock production. On the whole, in most areas of Alberta, our interests will be served best by a judicious blending of the two so that we may have alternative sources of revenue and in order that our lands may be maintained in a good state of productivity for future generations.

• • •

THE president of the Canadian Ayrshire Breeders' Association says that even with the possibility of an early victory in the war, the demand for natural foods will continue high for a couple of years and dairy farmers should maintain production at a high level.

**New OTTAWA WOOD SAW**  
For Tractors  
—Makes wood sawing fast and easy. Cuts enough wood to pay for itself quickly. Easily moved while attached. Big heavy blade. FREE details. OTTAWA MFG. CO. W472 8th Ave., Ottawa, Canada. U. S. A.  
**LOW PRICE**

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**BRIER**

CANADA'S  
STANDARD PIPE TOBACCO

**KINSMEN  
MILK - FOR - BRITAIN**

**LIVESTOCK  
AUCTION**

**VICTORIA PAVILION  
CALGARY**

**FRIDAY, JUNE 8th  
1945**

**CALVES  
COWS  
BULLS  
SHEEP  
HOGS, ETC.**

Net Proceeds to Kinsmen  
Milk-for-Britain Fund

All Sales Handled By  
**ALBERTA AUCTIONEERS'  
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If You Wish to Donate an animal or For Further Information, Write—  
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501 Leeson & Lineham Bldg.  
CALGARY ALBERTA**

on with the **VICTORY DRIVE**

# ONE STRONG HEAVE WILL WIN THE WAR—CHURCHILL

WE'RE OVER THE RHINE! — Our fighting men have breached the last formidable Nazi defence on the road to Berlin. They are counting on greater home-front support in this final drive.

## PREPARE TO INVEST IN THE COMING VICTORY LOAN!

SPACE CONTRIBUTED BY THE

*The Brewing Industry of Alberta*

### MIRRORS RESILVERED

THE BENNETT GLASS CO. LTD.

228 - 7th Avenue East,

CALGARY

M 1778



**EXPERTS** feel that the danger in post-war is that after having been through a period when to sell, it was only necessary to produce; that when expert customers can pick and choose, only a determination to produce the highest quality products at the lowest profitable price will hold this vital export market.

One of the greatest aids to Canadian farmers in meeting this challenge will be the practical, up-to-date knowledge which their agricultural colleges and experimental stations have acquired. These are abreast of the very latest developments in sound agricultural practice, and their knowledge is available to every progressive farmer . . . for the asking.

Another valuable aid is that of money. Throughout 90 years the experienced, helpful managers of The Bank of Toronto have assisted thousands of responsible farmers with loans and experienced financial counsel—a friendly service which is as close to you as the nearest branch of this Bank.

**THE BANK OF TORONTO**

Incorporated 1855

B. S. VANSTONE, General Manager

WL-46



# HOG PRODUCERS!

A SOUND HOG INDUSTRY DEPENDS ON A  
LARGE VOLUME OF CANADIAN

# BACON

ON THE

# BRITISH MARKET

Whether or not the necessary volume of bacon is available depends on the individual producer of hogs.

Until the end of 1946, a satisfactory market is assured for all the bacon that Canada can produce. The export objective is 600 million pounds each year.

Practically all British consumers are now using Canadian bacon. Their continued use of it depends primarily on supply. Our present position can be used as a foundation for the future.

To this end, therefore, it is important that our wartime objective be reached and plans made for the years to come. The reasons are:

- (1) If Canadian bacon is not available to the British public regularly some other source of supply will be found.
- (2) If the volume of Canadian bacon is uncertain, or its quality inferior, British handlers will be in a position to impose price discounts. Regular supplies in volume will help to get the top British price.

Long term planning which will ensure annual volume in addition to quality production of hogs and bacon, is essential if Canada's hog industry is to remain sound in the years to come.

**PLAN AHEAD  
•  
THINK  
IN TERMS OF  
VOLUME  
AS WELL AS  
QUALITY**

**AGRICULTURAL SUPPLIES BOARD**  
Dominion Department of Agriculture, Ottawa  
*Honourable James G. Gardiner, Minister*

## News Items Of Interest

CANADA may increase in 1945 her commitment of 50,000,000 pounds of beef exported to Britain last year. United States has announced a sharp reduction in amounts of meat available for civilians, but no statement has yet been made on the possibility that Canada would return to meat rationing.

THE revenue department at Ottawa estimates that income tax payments by Canadian farmers for 1944 will exceed \$10,000,000. For their 1943 income 24,153 farmers paid a tax of \$7,245,900, divided as follows: Manitoba, 6,930, \$2,079,000; Saskatchewan, 7,692, \$2,307,600; Alberta, 3,135, \$940,500, and British Columbia, 2,277, \$683,100.

NEGOTIATIONS are continuing by the management of the Eastern Irrigation District at Brooks for the construction of a plant to manufacture glucose from potatoes. The stock feed made from glucose is said to be a product competitive with molasses and betalasses and the added revenue from livestock feeding would benefit the farmers of the district.

H. H. BLOOM, farm machinery administrator for the Prices Board, has announced the board will not consider any applications for new equipment made by farmers who dispose of used farm machinery this spring without approval of their rationing officer.

C. M. REAR, of Saskatoon, one of the best known horsemen in Western Canada, died on March 12. He was a director of the Canadian Belgian Draft Horse Association and the Canadian Percheron Horse Breeders' Association. In addition to having imported and owned many outstanding horses, he had judged at many of the larger fairs. He was 64 years old at the time of his death.

THE Dominion Department of Agriculture has announced that payment of subsidies on milk and milk products will be continued for the year starting May 1, 1945, on the same basis as in the past year.

THE Wartime Prices and Trade Board in the fiscal year ending March 31 spent more than \$10,000,000 in the form of subsidies to maintain the level of living costs in Canada. The main items on which the Prices Stabilization Corporation took a loss are tea, coffee, cocoa beans, vegetable oils, raisins and currants.

Re-assessment of all land in the Province of Alberta will be carried out this summer since present assessments are not correctly related, Hon. C. E. Gerhart, minister of municipal affairs, told the legislature. There is no thought of raising the total assessment over the whole province, he added.

THE Duke of Windsor announced recently that he was resigning his post as Governor of the Bahamas, effective April 1. One report stated that he might later visit his Alberta ranch; another was that the ranch would be offered for sale.

Denmark's 1944 wheat crop was slightly above average, and about 55 per cent larger than the small 1943 crop. Feed grain crops, however, are reported to have decreased to some extent, and are estimated to be about 5 per cent less than in 1943.



# Farm and Ranch Housewife

DEVOTED TO THE INTERESTS OF THE RURAL WOMEN OF WESTERN CANADA

## Satisfaction

By LUCIA MALLORY

LAST winter I spent a month with my brother and his wife. There are three children in that home, and their mother is blessed with a fine understanding of their needs and problems.

One afternoon thirteen-year-old Alice came home from school in a rebellious mood. "It's no use to try any more, Mother!" she exclaimed. "I can't get a good grade in history no matter how hard I work!"

"Grades aren't the only consideration, Alice," her mother answered. "There's a great deal of satisfaction in the knowledge that you've done your best."

"You know how much work I put into that naturalization report," Alice went on. "I spent one whole afternoon listening to the hearings in Federal Court, and I was so thrilled over seeing the new citizens receive their papers! When Miss Lane handed back my report today, she had only

given me a "B"! I'm not going to try to please that teacher again."

"But what about Alice Mallory?" her mother questioned. "Would she be pleased if she didn't do her best? To thine own self be true," she quoted, "And it must follow, as the night the day, Thou canst not then be false to any man."

"Oh, Mother, you're always telling me things like that and making me do my best! But it is a nice project this month — anything we want to use about the pioneers of our state!"

Just then a friend called Alice to go roller skating, and we heard nothing more about history for several days.

"Aunt Lucia, do you remember those little stages we saw in the school exhibits at the country fair when I was visiting you last fall?" Alice asked me one evening.

"Yes, one stage represented a little Dutch village, and one showed models of the vessels of Columbus."

"Do you suppose I could make something like that and show a pioneer cabin in an Idaho forest?" Alice went on.

"I think you could," I answered, "but it would take a great deal of work. A whole roomful of children worked on each of the little stages that we saw."

"I know, but I'd like to make one for my history project."

Alice secured an empty carton from a grocery store and placed it on one side so that it opened like a stage. She made a narrow drop curtain of black silk to hang across the top and curtains of the same material to tie back at each side. A cabin and stockade were constructed of brown wooden logs from her brother's play set. Little pine branches served as trees.

The pioneer man and his wife were two little dolls which Alice dressed carefully in the pioneer costumes of seventy years ago. Miniature horses and a cow from the ten-cent store found their way into the stockade, and my nephew contributed a tiny dog. Alice carried her stage to school on the last day of the month.

She came home with a glowing report. "Miss Lane was delighted with my project. She had me take it around to show to the children in all the lower grades, and she's going to save it for one of the special exhibits at the end of the year."

"What grade did she give you?" I asked, thinking that the best time to bring up that subject was when she was happy over her success.

"I don't know, Aunt Lucia," Alice answered. "Miss Lane didn't tell me, and I didn't ask her. The little stage came out so well, and I had so much fun making it that I haven't thought much about the grade."

Alice had learned the satisfaction of being true to herself.

## MOTHER

There's a lady that's waiting in a land  
o'er the sea  
With a genuine welcome for you and  
for me;  
With a smile and a kiss and a loving  
embrace—  
Happiness glowing on her sweet smiling  
face.  
It's a love that is different, the love of  
a mother:  
A love that can never be shared with  
another;  
A love that is true, that is deep and  
sincere,  
Growing in depth with each passing  
year.

—BY "F.O.W., Stalag 344."

## Adorable Dirndl



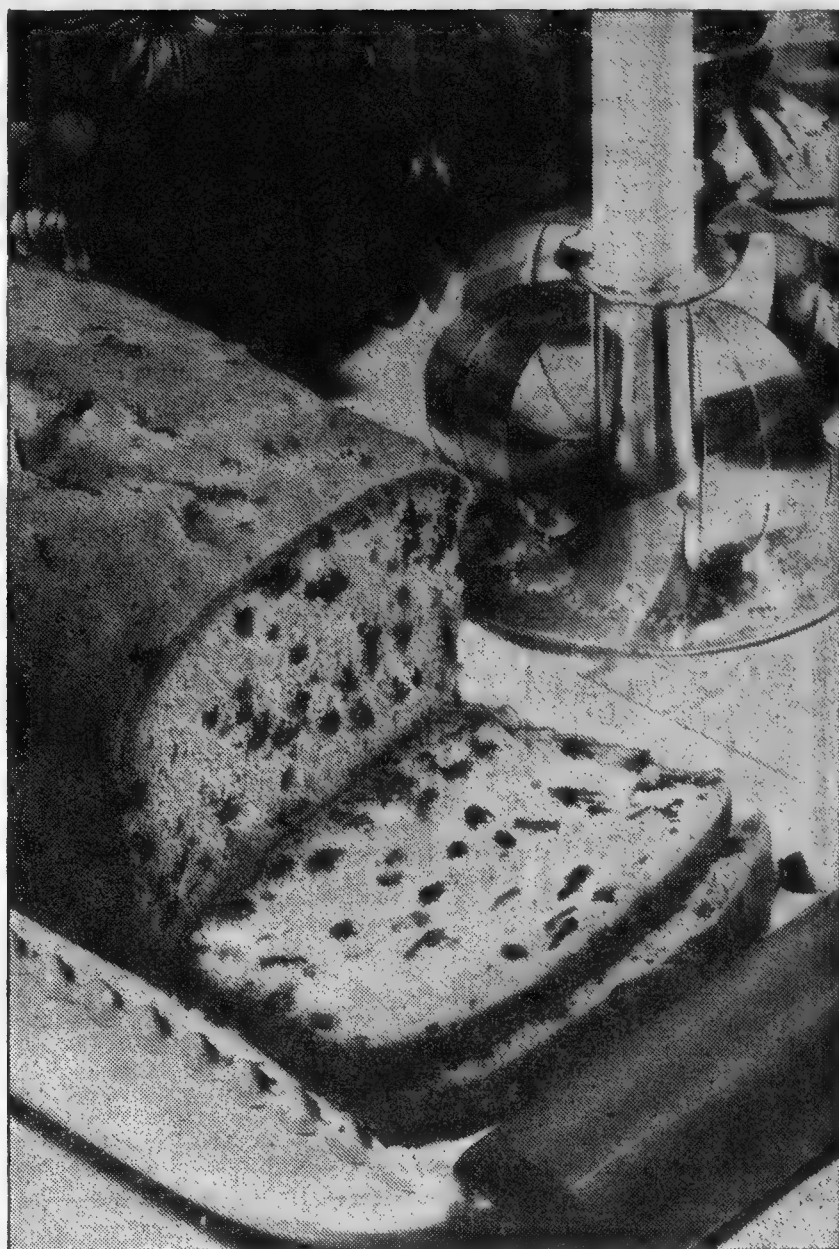
IS it a date? Then you'll want to make yourself this adorable dirndl, Pattern 4936, with the dreamy draw-string neck. Easy to make.

Pattern 4936 comes in Junior Miss sizes 10, 11, 12, 13, 14, 15, 16, 17 and 18. Size 13 takes 2½ yards of 35-inch material.

Print plainly SIZE, NAME, ADDRESS, STYLE NUMBER. SEE PAGE 32 for particulars of the FREE PATTERN OFFER.

## Useful Free Booklet On Meat Curing

FARMERS who contemplate killing and curing some pork or other meat this spring for home use on the farm, should have a copy of the handy booklet entitled "Home Curing and Preparing of Meats". It contains directions for cutting the carcass, recipes for various time-tested meat cures, for smoking meats the easy, modern way, without fire, and is altogether a most helpful little book both to the farmer and his wife. To secure a copy, for which there is no charge, drop a postcard to the Farm and Ranch Review, Calgary.



## For Your Sugarless Recipe File

### LIGHT-TEXTURED, TENDER — because it's made with MAGIC

• You can keep your precious sugar tin tight shut when you make this tempting, delicious Magic Honey Pound Cake. Not even a "smitch" of sugar goes into it—you use taste-teasing honey for sweetening instead!

And you use Magic Baking Powder to make this grand sugarless cake tender and light in texture... to protect your precious ingredients and give fine baking results.

3 generations of Canadian housewives have praised Magic for fluffy, fine-grained cakes and for sure-fire dependability. For best baking results—get Magic today!

### Honey Pound Cake

1½ c. seedless raisins	2¼ tsp. Magic Baking Powder
¾ c. shortening	1¼ tsp. salt
¾ c. honey	¾ tsp. vanilla extract
3 eggs, well beaten	¾ tsp. lemon extract
2¼ c. sifted all-purpose flour	

Rinse raisins; drain; dry on a towel and cut fine with scissors. Work shortening with a spoon until fluffy and creamy; gradually add honey, while continuing to work with a spoon. Add beaten eggs, and blend. Gradually stir in sifted dry ingredients; then beat with a spoon until smooth. Add extracts, raisins, and stir to blend. Pour into greased or oiled and lightly floured 9" x 5" x 3" cake pan. Bake in slow oven of 300°F. for 2 hours, or until done.



MADE IN CANADA

# Homemaking *By Betty Brown* and Homekeeping

MY Dear Cousin Janey, — At this between-season time of year, isn't it hard to know what to get in the line of vegetables for our tables? We get so tired of the tinned products, and yearn for something fresh from our own gardens. Our stored winter vegetables seem to be so flat and tasteless. This last summer, however, we were fortunate in growing some very choice carrots; they have kept well, so we are enjoying them nearly every day in some form or other. Shall I

tell you some of the ways in which we prepare them, to avoid monotony?

But first of all let me tell you about the varieties we grew last year. Our favorite variety is always the Nantes. It is not a very good keeper, but we use it all summer and fall and have other varieties coming on for winter use. The Nantes is a fine coreless type; the skin is smooth, flesh red, and almost without any "heart". It is an excellent carrot for forcing, and for fine quality and perfect shape cannot be surpassed. Do try some in your garden this year. For winter use we prefer the old-fashioned Chantenay. It is hard to beat for an all-round fine carrot, is a deep, golden orange with sweet, tender flesh, its main quality being that it keeps so well.

Now for getting the carrots ready for the table. Grate the required number, and place in a buttered baking dish. Sprinkle with salt and pepper, and dot with butter. Add a quarter cup of water, cover and bake for half an hour, or less if preferred. You may perhaps like the addition of a slight sprinkle of grated cheese before placing in the oven. These are wholesome, and there is nothing wasted.

A baked carrot ring is a little troublesome to make, but well worth while. Boil half a dozen carrots and put through the potato ricer. Add a cup of medium white sauce, and two beaten egg yolks. Fold in the egg whites which have been beaten stiffly. Place in an oiled ring mould, set in a pan of hot water and bake for three-quarters of an hour. Serve with a filled centre of peas. If you have some

left-over lamb it may be chopped and added to the peas.

Beth Collins sent me the following recipe for braised carrots. We tried it today, and it is good. Cut carrots into long, thin slivers. For each carrot add half a slice of bacon cut into tiny pieces and fried in a heavy pan until the fat is all fried out. Mince a small onion and fry in the fat. Add the carrots with a tablespoon of water. Set on the back of the stove to cook gently until tender. The pan should have a tight cover so that no steam will escape, and be watched so that the carrots will not scorch.

Carrot patties served with crisp slices of bacon will make a nice supper dish. Cook the carrots until tender; then mash them, adding a seasoning of salt and pepper. Add a beaten egg, mixing well. Shape into patties, dip into finely rolled cracker crumbs and fry in deep fat until browned.

Carrot pie is easily made. Cook carrots and mash, measuring one and a half cups. Scald one and a half cups of milk, add three-quarters of a cup of sugar, and one teaspoon each of ginger and cinnamon, and half a teaspoon of salt. Add the carrots and mix well. Fold in two beaten eggs and add a cup of scalded, chopped raisins. Turn into a pan lined with pastry, and bake.

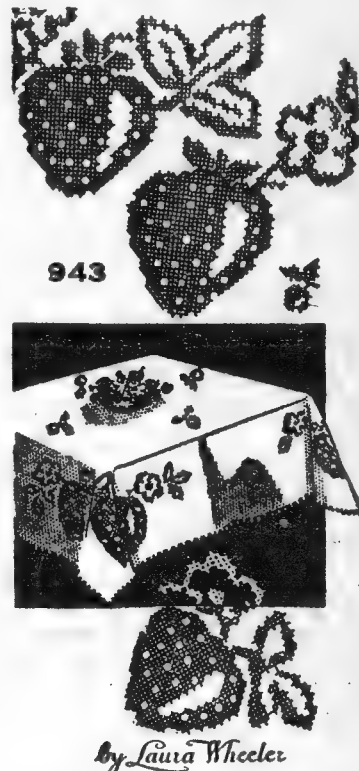
Of course, you know how to make carrot pudding. And I wonder if you ever tried making marmalade with half grated carrots and half citrus fruits? It is worth trying.

Well, that's all for this time, so I'll close with love from— BETTY.

get colds . . . they can be washed any time!

Back in grandmother's day they used this trick but maybe granddaughter isn't acquainted with it. Boil newly-cracked dishes in raw skim milk. The cracked sound will not be detectable after the calcium from the milk has been absorbed into the dish . . . and it will be as strong as other dishes . . .

## Table Cloths



by Laura Wheeler

Large cross-stitch — 5-to-the-inch — makes these strawberries quick needlework. Can't you picture them on tea cloths and luncheon sets!

Quick cross-stitch delights beginners and old-timers, too. Pattern 943 has a transfer pattern of 8 motifs 10 x 15 to 1 1/4 x 1 3/4 inches; stitches.

Print plainly SIZE, NAME, ADDRESS, STYLE NUMBER. SEE PAGE 32 for particulars of the FREE PATTERN OFFER.

Grandfather says:

**PAZO** for **PILES**  
Simple  
Relieves pain and soreness

For relief from the torture of simple Piles, PAZO ointment has been splendid for more than thirty years. Here's why: First, PAZO ointment soothes inflamed areas, relieves pain and itching. Second, PAZO ointment lubricates hardened, dried parts—helps prevent cracking and soreness. Third, PAZO ointment tends to reduce swelling and check bleeding. Fourth, it's easy to use. PAZO ointment's perforated Pile Pipe makes application simple, thorough.

Get PAZO Today! At Drugstores!

It isn't wise to indulge in a shampoo if one is just getting over a cold yet if the hair seems stringy why not try a dry shampoo? An easy one is to apply a well beaten egg white to the hair. Leave it on until it dries then brush, brush and brush the hair clean. Of course, the hair brush must be clean. Wash it both before and after this treatment. Brushes don't

## DISHPAN PHILOSOPHER

I KNOW there's some won't agree but, now and then, it seems to me we ought to take some way to spare ourselves a lot of wear and tear. Like shedding that old brand "home-made" and looking for some store first-aid! Take bread—the baker's plant's all set for all the orders it can get. And goodness knows just why we plan to buy in fruit and can and can when factories can turn out as good a job beyond all doubt. Then butter—creameries supply a first-rate product you may buy. In fact, you'll find if you inquire all kinds of help like that to hire.

A phrase seems in my mind to link—not "share the wealth" but "share the work". It seems plain sense that we divide our labours and more jobs provide, and, saving for a rainy day, put both some looks and health away.

## WOMEN GIRLS!

Thousands Report  
Grand Relief With

## ORANGE LILY SUPPOSITORIES

Used for 45 years. Safe, antiseptic and cleansing. A local application to relieve inflammation and congestion.

Send 10c for 10 days' trial and descriptive literature.

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The Vitamin B<sub>1</sub> Tonic  
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Extensively used for headache, loss of sleep, nervous indigestion, irritability, anaemia, chronic fatigue, and exhaustion of the nervous system.

60 pills, 60 cts.  
Economy size, 180 pills, \$1.50.



## Here's a SENSIBLE way to relieve 'PERIODIC' Female Pain

with its nervous tension, weak, tired cranky feelings

• If at such times you feel so nervous, tired, irritable, a bit blue—due to female functional periodic disturbances—don't delay—try Lydia E. Pinkham's Vegetable Compound to relieve such symptoms. Here's WHY:

1. Pinkham's Compound comes in liquid form. It is one of the most effective medicines made especially for girls and women for this purpose.
2. This medicine is what is known as a uterine sedative because it has a soothing effect on one of woman's most important organs.
3. Pinkham's Compound is made from wholesome roots and herbs (plus Vitamin B<sub>1</sub>).
4. Pinkham's Compound HELPS NATURE! Buy a bottle today at any drugstore. Follow label directions.



Lydia E. Pinkham's VEGETABLE COMPOUND





## First Prize GARDENING

BY this time, the seed catalogues will be well thumbed over and thrifty housewives have selected the seeds suited to their needs and their respective garden locations. These seed catalogues are wonderfully suggestive; they bring to our mind all the things we intended planting last year and just didn't get around to it, but we promised ourselves we would surely do better this year.

This year we will want to start a pansy bed in that shady spot where other flowers do not flourish, and perhaps we have already planted a can with choice pansy seeds in the house, ready to transplant later. Then, too, we decided last summer that we would surely have strawberries (everlastings) this year, so as to have a winter bouquet to take the sick and shut-ins after the garden flowers are gone. These should be planted in cans in the house in April, transplanting them out later on. We must remember to pick the flowers just as they are coming into bloom, and hang them up to dry by the stems with the flowers hanging down. If the stems can be kept in damp moss this will prevent the stalks getting brittle and breaking. Glycerine, of course, is much better to use than water for this, as it does not freeze or dry out; but glycerine is precious these days. Be sure to pick lots of gypsophila, just as it is coming into flower, and hang up to dry to be used with the strawberries.

It is not always possible to make a hot frame, but a cold frame can be made with very little trouble, and it is easier to look after a cold frame than to have so many boxes of plants in the house. Do not make the cold frame so large that the cover is unwieldy. If possible, select a place on the south of a building. I make my frame six feet by three feet, four feet high on the north, sloping to three feet on the south. Make the frame of boards, poles or anything that will hold firm. Fill in with one foot of old manure covered with three or four inches of good garden soil. Bank the outside of frame to the top with either manure or earth. Make a cover to fit over the cold frame, using light boards for the frame of cover, stretching flour sacks or white curtains across if it is firm enough. This material should be tacked firmly.

In each end of the cold frame I plant cauliflowers, cabbage, a few radish and a little leaf lettuce. In the middle of the frame I place the cans or boxes of plants that have been started in the

house. For a few days I keep the cover on all the time, covering it more securely at nights with an old quilt which I keep for that purpose. If the weather is unusually cold, I leave the extra covering on in the day time. I bury the boxes of plants down nearly to the top of the box, so that the plants will not dry out and will not reach too near the top covering and perhaps get chilled. If the sun is hot, I leave off the cover a few hours each day, gradually leaving it off longer. After the plants are well hardened off, I transplant them from the boxes to the cold frame, giving them more room. Before it is time to transplant the seedlings to the garden, I plant cucumbers here and there through the cold frame, so that after they are gone the cold frame still serves a purpose, and if kept well watered you can be sure of early cucumbers.—Ann Lou.

## Second Prize WASHING CLOTHES

WHAT is more dreadful and trying than to wash on a cold, wintry day, but with a little forethought and work in advance it is possible to make wash day a pleasant one, even on a cold, wintry day.

In many parts in the country, ice or snow water is the only water to be had. In this case it is far better to melt a supply of snow or ice the day before laundry day. I also give the house a good cleaning the day before laundry day, as one doesn't have much time for housecleaning on wash day.

Sort clothes before washing. The clothes are collected together, then paper is placed on the floor or table. I place all of each kind of clothing in separate piles; that is linen in one pile, bed linen, towels, handkerchiefs, stockings, wearing apparels. Coloured clothes that fades should not be soaked or washed with other clothes.

Prepare half a tub of luke-warm water and put the linen to soak. Prepare another tub of luke-warm suds and put the bed linen to soak. I usually soak all the clothes before washing any. All wearing apparels, if badly soiled, should be rubbed with soap before soaking. Always give careful attention to cuffs, collars, un-

der arms and soiled spots. After soaking for 20 minutes or more, I go over all clothes with a light brush, examining all clothes for stains and spots. Rub soap on blood stains, let soak for a few minutes, then wash with cold water first, then hot water.

Rub turpentine on tar spots, and also coal oil on greasy, badly soiled clothes. Do not soak clothes over night as it gives them a cloudy appearance.

Most people boil most of their white clothes. Add a little benzine or coal oil to clothes when boiling. This not only whitens, but it helps to loosen the dirt and stains.

After boiling use a hot rinse, then two cold rinses to remove all soap and powder. I usually use a little table salt in the first cold rinse, as it helps to renew the clothes in appearance. If the weather is severe, and you are planning on drying your clothes outside, add a half cup of salt to the last rinse, this will prevent the clothes from freezing.

After the washing is done, it is quite a problem to dry the clothes, as all woollen garments should be dried in a warm temperature, as a freezing temperature very often causes shrinkage. For this reason I dry all woollen garments in the house during cold weather.

When we have a long, severe spell, I dry all the wash on lines over heated stoves. By this method I am able to get the wash out of the way quickly.

When the wash is dry, it is removed from the lines and each piece is sprinkled with warm water. Then rolled up tightly so that the moisture will be evenly distributed. The clothes are covered with a blanket to prevent drying out. They should be in case in one hour, that is, ready to iron. Give careful attention to hems, cuffs, collars. If the clothes dry out in spots, sponge over with a warm, damp cloth.—Mrs. M., Dawson Creek, B.C.

## SUCCESS

HE has achieved success who has lived well, laughed often and loved much; who has enjoyed the trust of pure women, the respect of intelligent men and the love of little children; who has filled his niche and accomplished his task; who has left the world better than he found it, whether by an improved poppy, a perfect poem, or a rescued soul; who has never failed to express it; who has always looked for the best in others and given the best he had; whose life was an inspiration; whose memory a benediction.—Bessie Anderson.

# NABOB Coffee



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Keep Your Victory Bonds!



# Sufferers of Painful SINUS—Get Quick Relief!

Just a Few Drops Relieve Stuffiness...  
Make Breathing Easier... Give You Comfort

It's grand how Vicks Va-tro-nol clears congestion from nasal passages—gives sinuses a chance to drain. Results are so good because Va-tro-nol is specialized medication that works right where trouble is—to relieve painful congestion and make breathing easier. Try it—put a few drops up each nostril—follow directions in folder.

## VICKS VA-TRO-NOL

## HOUSEHOLD HINTS

When the cork breaks in a bottle, pour out the liquid it contains and put enough ammonia in the bottle to float the cork. Set away until the cork crumbles.

It is better to scrape raw potatoes than pare them when preparing them to boil. More food value is thus retained.

A good plan when washing blankets is to add a camphor block to the rinsing water. The smell of camphor is then evenly distributed over the blankets, and they can be stored away without fear of moths.

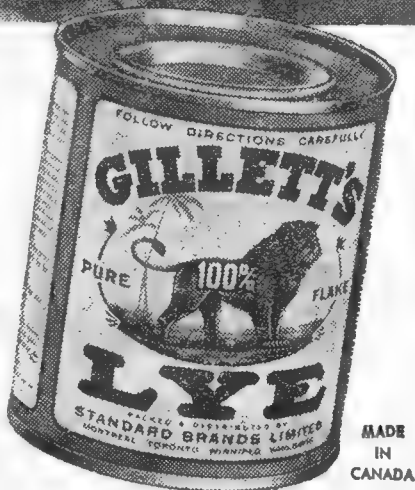


GRACIOUS, CHILD—THAT'S EASY.  
JUST SHAKE IN GILLETT'S!

**YOU WILL BE PROUD** of your clean-smelling, spic-and-span outside closet when you use Gillett's Lye. Just sprinkle in half a tin of Gillett's Lye full-strength and see how quickly... how completely contents and ugly odor vanish.

Gillett's Lye is a useful little helper for indoor cleaning, too. Cuts right through stubborn, clogging grease and grime, keeps traps and drains clear and free-running. Gillett's Lye is thrifty—even makes top-notch household soap at less than a cent a bar.

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*\*Never dissolve lye in hot water.  
Action of lye itself heats water.*

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## FREE PATTERNS

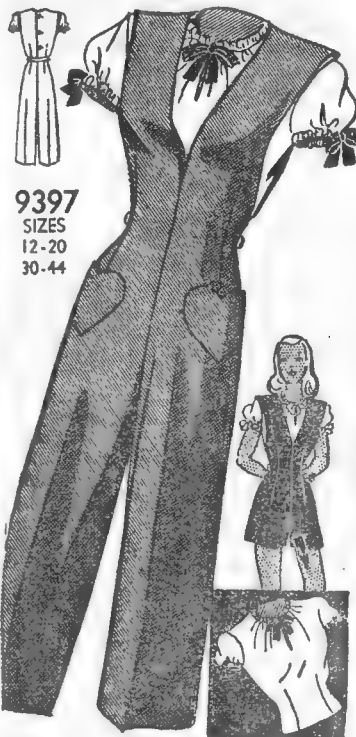
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SEE PAGES 29 and 30 FOR FURTHER PATTERNS.

#### Today's Choice



9397  
SIZES  
12-20  
30-44

Ideal new spring outfit for busy days. Pattern 9397 looks trim and smart on any type of figure. Use gay cotton or rayon, sturdy denim for work. Playsuit for later.

Pattern 9397, 12, 14, 16, 18, 20; 30, 32, 34, 36, 38, 40, 42, 44. Size 16, overalls, 3½ yds. 35-in.; blouse, 1½ yds.

Print plainly SIZE, NAME, ADDRESS, STYLE NUMBER.

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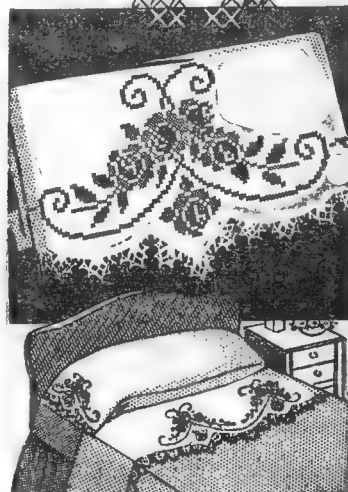
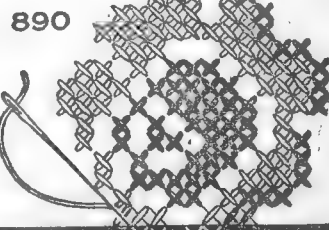
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#### Lovely Cross-Stitch



A mark of hospitality in the guest room, a colorful touch in any bedroom—lovely cross-stitched bed linens, or scarfs; crocheted edging.

Do in varied colors or shades of a color. Pattern 890 has transfer of a 6½ x 21, two 6½ x 13½, eight 2½-inch motifs; crochet directions.

Print plainly PATTERN NUMBER, your NAME and ADDRESS.

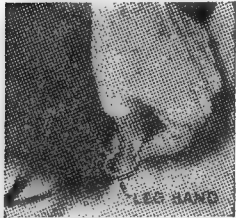
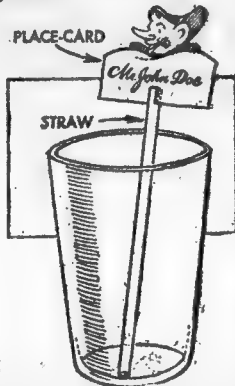


# Household Short Cuts...

By Courtesy Popular Mechanics Magazine

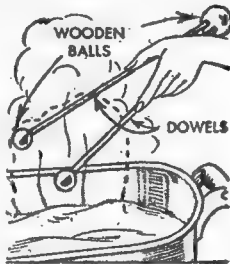
## NOVEL PLACE-CARD HOLDERS

COLOURED drinking straws provide unusual holders for place cards if they are slotted to receive the cards. The straws can be cut in half or used whole, and are inserted right into the beverage glasses. A safety-razor blade will be found handy for slotting the straws.



## POULTRY RINGS DECORATE PURSE

YOU can obtain durable, novel and decorative pulls for slide fasteners on pocketbooks by using a plastic poultry leg marker. The rings are available in many bright colours and can be combined into necklaces, bracelets, small individual key rings and are useful for many other purposes which you can devise.



## SAFE LAUNDRY TONGS

A HANDY pair of tongs with which to lift hot clothes from a boiler or tub and feed them into a wringer can be assembled in a few minutes by drilling three wooden balls to take short dowels as shown. Note that the two holes for dowels in one of the balls are drilled at a slight angle to give the tongs a spring action. It's a good idea to use resin-type waterproof glue.

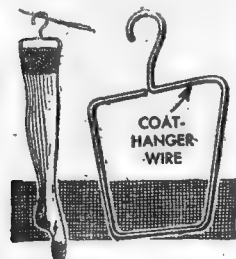


## SHOE POLISH IS APPLIED QUICKLY

INSTEAD of discarding an old powder puff after it becomes soiled or worn, just wash it thoroughly and keep it in your shoe-polishing kit, as these puffs make excellent applicators for wax-type polish. The small ones are especially handy as they can be stored in polish cans where they are out of the way and won't dry out.

## JAR AND CARTON USED AS "VACUUM BOTTLE"

HERE is a simple way to improvise an insulated container in which to keep beverages hot or cold. Set a 1/2-gal. fruit jar inside a large oatmeal carton and then pack crumpled paper or other suitable insulating material between the sides of the jar and the carton. Be sure to use a rubber ring on the jar so that there will be no possibility of the contents leaking out. If desired, some of the insulating material can be glued to the underside of the carton lid to provide better insulation.



## HANGER TO DRY RAYON STOCKINGS

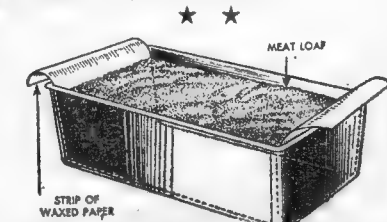
AS rayon stockings require from 24 to 48 hours to dry, a pair of wire holders like the one shown will spread the tops, which are heavier and take longer to dry, so that the stockings dry uniformly. The hangers can be made from wire coat hangers, bent to the shape indicated.



THE nuisance of having a cloth slip from your fingers when straining juices or other liquids into jars can be overcome by using a sack for this purpose.

## CHECKER BOARDS FOR SERVICEMEN

A GROUP of volunteer workers of Gallup, New Mexico, known as the "USO Troops-in-Transit Project", is distributing checkers and boards to servicemen in transit who highly ap-



TO simplify the task of lifting a meat loaf from the pan, one housewife places a strip of waxed paper in the pan so that both ends extend over the edges.

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at any hour!

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WILL GIVE YOU Best RESULTS



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Outperforms Other Cleansers  
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Today's Old Dutch does both—cuts grease with a fast grease dissolver—safely removes dirt with Seismotite. Surpassed all other cleansers tested! \*Laboratory tests and exacting scientific computations proved that Old Dutch cleaned a 2 quart aluminum pan 77 more times per can than any other cleanser tested! For pots and pans—for sinks and refrigerators—for all your cleaning—switch to Old Dutch Cleanser today!



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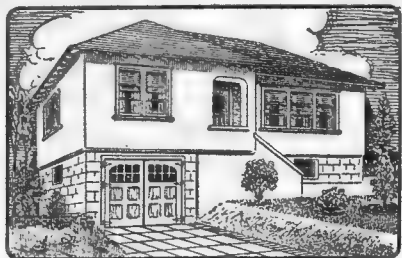


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## Country Diary

APRIL, month beloved of poets—who does not remember Robert Browning's "Home Thoughts" when the grass puts on its tender green and the mauve and silver crocus shyly blooms in the broken fence corners and the shaggy old left-over pasture grass? Though, of course, the poet in his yearnings from Italy, saw primroses and daffodils clustered on neat, cool grass, and heard the song of returning birds. But, prairie sod or English loam, its just the same the way Spring comes.

The birds know all about it too. They inspect the swelling buds, calculating to a nicety how soon they will break forth into green leaf, especially in that bleak corner bluff where they intend to stake a claim for ownership and privacy. When the birds come back we know how still the winter was. Robins enjoy a certain amount of sentimental privilege and deserve their popularity in eating almost every variety of pest in the garden. Until then, there they are, flitting and chirping around the house-yard, demanding hand-outs and sure of a welcome. Dried up berries of last autumn, and rose hips appearing above the remnants of snow are not good enough in Spring. Dark, noisy crows are sorting out the dead trees from the living ones. The crow is one bird for whom I have no welcome—the gangster of bird-land, and many are the infamous deeds laid against him. Much discussion goes on from time to time as to the wisdom of obliterating him. Ornithologists, anxious for the welfare of the song birds, are urging it. It might be that a little trimming

might be in order, but I cannot believe that Nature made a mistake in perpetuating the crow. He must have his uses as a scavenger, and there is a balance to all forms of life, which man interferes with only at his peril.

Spring is full of its own sounds. As with the finding of the first crocus, I always record the time when I hear the first frog's quavering pipe from the slough, newly filled with melted snow. This moment came on a chilly uncertain evening in early April. It is one of Nature's most ancient sounds. Pharaoh listened to it as it rose from the Nile, and perhaps the sadness in it increased his own discontent and fears. Had he had intuition it might have warned him of the plagues to come.

Later on, when the frog opera is fully organized, you hear the basso-profundo of the old-timers supplementing the light minor chant of the little tenors. In the damp chill air over the swamp the song rises with a sharp note of keening that country folk prosaically say means rain. It may well be so, for frogs always sing their best when low, dark clouds cause dampness in the air. Just as the grasshoppers in midsummer give notice of a blazing day, and crickets in the autumn grass predict the first frosts.

April is one of the busiest months for farm people, getting ready for the major out-door campaign, and fixing up and repairing minor matters. Thank goodness the storm windows and doors are off at last!

★

FIRST

IN order to master Nature, we must first obey her.—Francis Bacon.

# There's still a Big Job for YOU to do!



You bet there are good reasons why a girl should join the C.W.A.C. and why she should join right now . . . Victory is her responsibility as much as it is the responsibility of any one else, and because this war is being fought to assure her a better world in which to live, she'll be much better fitted to take her place in that world by playing an active and exciting part in the attaining of it.

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F.R.R.-23



# SELECTED RECIPES

## COCOA CUP CAKES

- 1/4 cupful butter or a substitute
- 1 cupful sugar
- 2 eggs
- 1 1/4 cupfuls pastry flour
- 1/2 teaspoon salt
- 3 teaspoons baking powder
- 1/3 cupful powdered cocoa
- 1 teaspoon ground cinnamon
- 1/3 teaspoon ground clove
- 1/2 cupful milk or cold coffee

Cream together the shortening, sugar, and yolks of eggs. Sift together the flour, salt, baking powder, cocoa, and spices and add alternately with the milk to the first mixture. Fold in the whites of the eggs, which have been beaten until stiff. Half fill oiled muffins pans, and bake fifteen minutes in a moderate oven—350-375 degrees F. Serve plain or cover with a white or chocolate frosting.

## EGGS IN BASKETS

- 4 slices fresh bread
- 4 eggs

Salt and pepper

Remove crusts from bread. Butter and press into small muffin pans, buttered side up. Bake until corners are crisp and brown. Break 1 egg into each cup. Season and return to the oven until egg is set.

## BREAD EGGS

- 1 cup stale bread cubes
- 2 tablespoons butter
- 3 eggs
- 2 tablespoons milk
- 1/2 teaspoon salt
- Pepper

Cut bread in 1/2-inch slices, then in cubes. Brown bread in melted butter. Beat eggs until light. Add milk, salt and pepper. Pour over bread and fry until set and browned. Fold. Serve at once. Serves 4.

## BROWN BREAD

- 1 1/2 cups whole wheat flour
- 1 cup cornmeal
- 1/2 teaspoon soda
- 1/2 cup molasses
- 1 2/3 cups sour milk
- 1 teaspoon salt
- 1 cup raisins
- 2 tablespoons butter

Mix flour, cornmeal, salt and sugar. Add soda to sour milk. Add to dry ingredients. Add molasses, then melted butter. Turn into a buttered loaf pan. Let stand 20 minutes. Bake 1 hour at 350° F.

## APPLE SAUCE CAKE

- 1/4 cup shortening
- 1 cup sugar
- 1/2 teaspoon salt
- 2 teaspoons baking powder
- 1 1/2 cups apple sauce (unsweetened)
- 2 cups flour
- 1/2 teaspoon cinnamon
- 1 cup raisins

Cream shortening. Add sugar, salt and apple sauce. Sift flour, soda, cinnamon and baking powder. Add to apple sauce mixture. Mix well. Add raisins. Turn into a greased loaf pan. Bake 40 minutes at 275° F. For icing mix 4 tablespoons apple sauce with icing sugar to a consistency which will spread easily. After icing, sprinkle top lightly with cinnamon.

## APPLE BLUSH CAKE

- 2 apples
- 1 1/4 cups sugar
- 1/2 cup water
- 1 egg
- 2 tablespoons shortening
- 1/2 cup milk
- 1 cup flour
- 2 teaspoons baking powder

Pare, core and quarter apples. Make a syrup of 1/2 cup sugar, 1/2 cup water and sufficient red colouring to make a bright red. Boil 5 minutes. Add apples. Cover and cook until tender, but not broken. Arrange drained apples in greased cake pan. Reserve the syrup.

Melt shortening. Add 3/4 cup sugar, egg and milk. Beat vigorously for 2 minutes. Add flour sifted with baking powder. Beat 1 minute. Pour over apples. Bake 25 minutes at 375° F. Turn out. Boil the syrup from apple 5 minutes. Pour over apples on cake.

## BROILED BREAST OF LAMB

- 1 breast of Lamb with foreleg removed
- Salt and pepper
- Butter

Do not have fire too high. Turn the inside of the meat toward the fire and broil slowly. Turn the meat often. When done, spread with butter and sprinkle with salt and pepper.

## ONION SOUP

- 2 cups soup stock
- 2 cups chopped onions
- 1 cup water
- 1/2 teaspoon salt
- 1 teaspoon chopped parsley
- 1/2 cup grated cheese
- 4 slices bread

Cook onions in water until tender. Add soup stock. Mix grated cheese to a paste with 2 tablespoons cream. Spread on bread. Sprinkle with parsley. In each soup bowl place one slice of bread. Pour soup over bread.

## CARROT SOUP

- 1 cup cooked carrots
- 1 tablespoon flour
- 1/2 teaspoon salt
- 2 cups milk

Press carrots through a sieve. Mix with flour and salt. Gradually add heated milk. Re-heat.

## GREAT FOOD VALUE

On account of its wonderful nutritional value to growing children, this prize-winning recipe is repeated BY REQUEST:

### Bread and Butterscotch Custard

- 2 eggs, slightly beaten
- 1/2 teaspoonful of Salt
- 1 1/2 cups of hot Milk
- 1/2 cup of Maple Syrup
- 3/4 teaspoonful of LOVE'S Butterscotch Flavor
- Buttered Bread Fingers 1/2 inch thick sprinkled with Granulated Sugar, add Cinnamon if desired.

Add the maple syrup and salt to the eggs, stir in the hot milk, then add and stir in LOVE'S Butterscotch Flavor. Strain into a greased baking dish, float the bread fingers to almost cover the surface of the mixture, then place the dish in a pan of hot water and bake in a 325° oven until the custard is set so that a knife inserted in the centre comes out clean (40 to 50 minutes). Cool and serve.

If you are short of Maple Syrup use this excellent recipe:

Dissolve 2 cupsful of Light Brown Sugar in one cup of hot water. Bring to a boil. When cool, add a teaspoonful of LOVE'S MAPELX. Many people consider this superior to the real maple syrup, and the cost for making One Gallon is ONLY 89 cents.

### HERE IS FINEST QUALITY AT LOWEST COST

Your grocer sells LOVE'S MAPELX, a fine maple Flavor made from concentrated maple sap and fortified to increase its FLAVOR value. 1 oz. bottle, 19c; 2 oz., 35c; 8 oz. for \$1.00, postpaid if your grocer is out of stock. Send for a complete list of LOVE'S Flavors of the BETTER KIND for all purposes. Three 35c bottles of any assortment for \$1.00 postpaid.

### LOVE-The Flavor Man

62-68 Lombard Street, Toronto 1, Ont.  
Try Every Test—LOVES are the BEST



IT CERTAINLY TAKES THE WORK AND WORRY OUT OF BREAD BAKING!

## NEW Faster Acting ROYAL Ends Overnight Bother, Risk!

New Fast Rising Royal is here! The modern baking discovery that gives you better bread in less than half your normal baking time!

New Fast Rising Royal is so fast-acting... so easy to use... you can do all your baking by daylight... when you can watch the dough. No more "setting bread" the night before—no disappointing baking failures because the dough spoiled when the kitchen temperature changed during the night.

And the rich, home-baked flavor of bread baked with New Fast Rising Royal will make your family brag about your baking more than ever.

You get 4 packets in each carton of New Fast Rising Royal—4 large loaves to a packet. Just add New Fast Rising Royal to water. It starts working in 10 minutes.

Try New Royal Fast Rising Dry Yeast the next time you bake. Stays full-strength for weeks on your pantry shelf. Ask for it at your grocer's.

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Be sure the Travelling Salesman who takes your Subscription for **THE FARM AND RANCH REVIEW**

is carrying signed credentials dated not later than January 2nd, 1945, authorizing him to do so, and that he is also using Official Receipt Form. If these are not in order, you are asked not to sign any contract, but communicate with us regarding Renewal of your Subscription should it have run out. Please check Expiry Date on your Farm and Ranch and keep it coming.

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**F. ANGLIN JOHNSON**  
or **W. C. KERR**  
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## ATTENTION!

This ad is addressed to a man who is concerned about his future security and interested in getting a business of his own. He may be too old for heavy work, or young and exempt from military service. Perhaps his income is uncertain or not enough to meet present-day demands. He may be discouraged, but if he has good references and a car, there is a possibility of him qualifying for better than average earnings. He should forward full personal history to the advertiser, Box 22, Farm and Ranch Review, Calgary.

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## HAMBLEY

### Chick Zone



So easy to add a tea-spoonful per quart to your Chicks' first drink, cleanse and sterilize tiny digestive tracts and ensure livability. Customers report they cannot do without **HAMBLEY'S CHICK ZONE**, 6-oz. 40c; 12-oz. 75c, postpaid; 25-oz. 90c; 1/2-gal. \$1.50; 1 gal. \$2.75, express collect.

**J. J. HAMBLEY HATCHERIES**  
Winnipeg, Regina, Saskatoon, Calgary, Edmonton, Brandon, Portage, Dauphin, Swan Lake, Boissevain, Abbotsford, B.C., Port Arthur, Ont.

## HAMBLEY

### CANADA'S LARGEST HATCHERIES

B.C. Farmers bought more New Hampshires than all other Breeds combined in 1944, and here is what one of Hambley's many satisfied customers writes:

Vanderhoof, B.C., March 17, 1945.  
Dear Sir: "I am very pleased with the New Hampshire chicks I received last year. They have laid continuously all winter and are the best chicks that I ever had."—(Signed) Mrs. H. R.

New Hampshires were the leading Breed in Alberta in 1944. Hambley is ready with over 20,000 New Hampshire Birds Approved to supply you High Quality Hampshires, either direct from Abbotsford, B.C., or from our nearest hatchery. Hambley Special Mating Leghorns are R.O.P. Sired. Hundreds of former customers re-ordering. To be sure of your Hambley chicks send order today with deposit or payment in full.

## FOR IMMEDIATE DELIVERY

HAMBLEY QUALITY	SPECIAL MATING
100 50 25	100 50 25
F.O.B. ABBOTSFORD, B.C.	
15.00 8.00 4.00—N. Hmps.	17.00 9.00 4.50
28.00 14.50 7.25—N.H. Pul.	31.00 16.00 8.00
9.00 5.00 3.00—N.H. Ckl.	11.00 6.00 3.25
14.00 7.50 3.75—W. Leg.	16.00 8.50 4.25
29.00 15.00 7.50—W.L. Pul.	32.00 16.50 8.25
3.00 2.00 1.00—W.L. Ckl.	4.00 2.50 1.50

F.O.B. CALGARY, EDMONTON	
16.00 8.50 4.25—N. Hmps.	18.00 9.50 4.75
27.00 14.00 7.00—N.H. Pul.	29.00 15.00 7.50
10.00 5.50 3.00—N.H. Ckl.	12.00 6.50 3.25
14.00 7.50 3.75—W. Leg.	16.00 8.50 4.25
29.00 15.00 7.50—W.L. Pul.	31.00 16.00 8.00
3.00 2.00 1.00—W.L. Ckl.	4.00 2.50 1.50
16.00 8.50 4.25—B. Rocks	18.00 9.50 4.75
27.00 14.00 7.00—B.R. Pul.	29.00 15.00 7.50
11.00 6.00 3.00—B.R. Ckl.	12.00 6.50 3.25

F.O.B. MAN. & SASK. BRANCHES	
15.25 8.10 4.30—N. Hmps.	16.75 8.85 4.70
25.00 13.00 6.75—N.H. Pul.	28.00 14.50 7.50
11.00 6.00 3.00—N.H. Ckl.	12.00 6.50 3.25
14.25 7.60 4.05—W. Leg.	15.75 8.35 4.45
28.50 14.75 7.60—W.L. Pul.	31.00 16.00 8.25
3.00 2.00 1.00—W.L. Ckl.	4.00 2.50 1.50
15.25 8.10 4.30—B. Rocks	16.75 8.85 4.70
25.00 13.00 6.75—B.R. Pul.	28.00 14.50 7.50
11.00 6.00 3.00—B.R. Ckl.	12.00 6.50 3.25

Guar. 100% Live Arr. Pullets, 96% Acc.  
**HAMBLEY (Electric) HATCHERIES**  
Calgary, Edmonton, Portage, Boissevain, Winnipeg, Regina, Saskatoon, Brandon, Dauphin, Abbotsford, B.C., Swan Lake, Port Arthur

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**FURS STORED AND REPAIRED**  
**ROBE and LEATHER TANNING**

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## BABY CHICKS

## SUCCESS CAN BE YOURS

If You Start Right With Stewart Chicks

They LIVE — They GROW  
They LAY — They PAY

**STEWART'S** Special Quality chicks are from selected flocks, headed by pedigreed cockerels from trap-nested hens with records of 200 eggs or over. All Stewart Chicks are from government-approved, blood-tested flocks. 100% live arrivals. Pullets 96% accuracy guaranteed.

## Stewart Quality. Special Quality

	100	50	25	100	50	25
W. Leg. Unsex.	14.00	7.50	3.75	16.00	8.50	4.25
W.L. Pull.	29.00	15.00	7.50	31.00	16.00	8.00
B. Rocks	16.00	8.50	4.25	18.00	9.50	4.75
B.R. Pull.	27.00	14.00	7.00	29.00	15.00	7.50
N. Hamps.	16.00	8.50	4.25	18.00	9.50	4.75
N. H. Pull.	27.00	14.00	7.00	29.00	15.00	7.50
R.I. Reds	16.00	8.50	4.25	18.00	9.50	4.75
R.I.R. Pull.	27.00	14.00	7.00	29.00	15.00	7.50
White Leghorn Cockerels				\$3.00		per 100
B.R., R.I.R., N.H. Cockerels				\$9.00		per 100

**FOR IMMEDIATE DELIVERY:** White Leghorn, Rhode Island Red and New Hampshires. Call, wire or write at once. Early-hatched cockerels will develop in time to get the high prices of early broiler markets and the pullets will be laying heavily in September and October at the peak of the egg prices.

Tune in our Old-Time Programme every Thursday, 9:30 p.m., M.D.T., over CFCN, Calgary, 1010 kc.

WRITE FOR CATALOGUE.

**STEWART ELECTRIC HATCHERIES**  
602B-12th Avenue W., CALGARY, ALTA.

## THE WHICH CHICKS GIVE RESULTS



## MORE THAN EVER

**BEFORE** is it necessary to raise GOOD BIRDS. Twenty-five years of effort and experience is behind the production of our famous chicks. Help to ENSURE your SUCCESS by ordering your chicks early from one of our Hatcheries.

Prices, per 100.	Unsexed	Pullets
White Leghorns	\$14.00	\$29.00
Rocks, Reds, New Hamp.	15.00	28.00
Leghorn Cockerels, per 100		\$3.00
Heavy Cockerels, per 100		\$8.00

**SUPER CHICKS, FROM FLOCKS HEADED BY R.O.P. MALES**

Leghorns	\$16.00	\$32.00
Rocks, Reds, New Hamps.	17.00	32.00
Leghorn Cockerels, per 100		\$4.00
Heavy Cockerels per 100		\$10.00

96% Sexing accuracy guaranteed.  
Order NOW—avoid disappointment and remember "IT'S RESULTS THAT COUNT."

## Rump & Sendall

Box K, LANGLEY PRAIRIE, B.C.  
Box R, (Branch Hatchery) Vernon, B.C.

**CHICKS FROM APPROVED FLOCKS**—Book your 1945 requirements at Gair Hatchery, Wetaskiwin, Alberta.

● If your subscription to the Farm and Ranch Review has expired, a notice has been sent to you. Please let us have your renewal by an early mail.

**GEM VICTORY FENCER**



## Why Fence the Whole Farm?

It won't run away. Fence your stock where desired with the GEM, Canada's original and most popular Fencer, and have all fencing required at little cost. Easily erected or removed. Write for literature. Thirty-day money-back trial.

Dealers from coast to coast.

**GROH'S COOLER, LIMITED**  
Preston Ontario



Registration is  
Now under way for

# Family Allowances



## Scale of MONTHLY PAYMENTS for the first 4 children

for every child	
Under 6	\$5.00
From 6-10	6.00
From 10-13	7.00
From 13-16	8.00

If there are more than four children under 16 in the family, the allowance for each child after the fourth will be reduced.  
The first family allowance cheques will be mailed in July, 1945.



A Family Allowances Registration Form has been mailed to every family in Canada. If you have children under 16 in your family, this form should be filled in and returned as quickly as possible in the envelope supplied. No postage is required.

Family Allowances are being paid to assist parents to provide a life of greater opportunity for their children—to help pay for medical, dental and nursing services, to help provide more nourishing food and adequate clothing and shelter.

**TO WHOM PAID?** All parents, or other persons maintaining children under 16 in Canada are entitled to, and will receive, a monthly allowance for each child for the above purposes.

**WHAT TO DO?** All you have to do is to fill in and return the Family Allowances Registration Form which has been mailed to you. No allowances can be paid to any eligible family until this form has been received.

If you have not received a Family Allowances Registration Form

through the mail, you can obtain one from your nearest post office.

**INCOME TAX:** So that nobody will benefit from both Family Allowances and a full income tax deduction for their children, the income tax deductions will be reduced by the amount received from Family Allowances. Parents, therefore, have the choice of claiming—or not claiming—Family Allowances. Those uncertain as to whether or not they will benefit are advised to apply for the Family Allowance.



**OTTAWA TRACTOR SAW**

**350 Cuts Per Minute**  
 Make money sawing wood. Use Ottawa—fastest cutting. Cuts large or small logs easiest way. Falls trees. One man operates. Thousands in use. Built to last with heavy, stiff saw blade. Positive safety clutch control; uses power take-off any tractor.

**OTTAWA MFG. CO.**  
 1472 Forest Avenue Ottawa, Kansas, U.S.A.

**PILES****Try This Successful Combination Internal and External Treatment**

No matter where you live—no matter what your age or occupation—if you are troubled with piles, we want you to try the Page Internal Tablet Combination Treatment. This method not only helps stop suffering promptly, but grateful letters from people who have used it testify that it has given quick relief.



FRANK BARGE

"I cannot say too much in praise of your treatment. It is over four years since I have used the treatment and have never had a recurrence. I don't think anyone could have suffered more than I did before taking the medicine."—Frank Barge, 1302 Columbia Ave., Trail, B. C.

We especially want to send it to those discouraged sufferers who believe their cases to be hopeless. Even the most severely aggravated cases and cases of long standing frequently respond to this treatment. Used successfully for 50 years.

Don't neglect a single day. Write now. Send no money. Simply mail the coupon below today and a free trial will be sent promptly in plain wrapper.

**FREE TRIAL COUPON.**

To prove all we claim, we will send you promptly in plain package, a generous supply of this treatment. Mail coupon TODAY

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**Why Suffer the Miseries of Constipation**

When functional constipation hangs on and makes you feel miserable, nervous and out of sorts and you suffer from its symptoms—headaches, bad breath, upset stomach, indigestion, loss of sleep, lack of appetite, and your stomach feels crowded because of gas and bloating—get Forni's time-tested Alpenkräuter. More than a laxative, it is also a stomachic tonic medicine compounded of 18 of Nature's own medicinal roots, herbs and botanicals. Alpenkräuter puts sluggish bowels to work and aids them to gently and smoothly expel clogging waste; helps drive out constipation's gas, gives the stomach that splendid feeling of warmth. If you again want to know the joy of happy relief from constipation's miseries and comfort your stomach at the same time, get Alpenkräuter today.

Caution: Use only as directed.

If you cannot buy it in your neighborhood, send for our "get acquainted" offer on Alpenkräuter and receive—

**FREE 60c Value—Trial Bottles of**

**FORNI'S HEIL-OEL LINIMENT**—antiseptic—brings quick relief from rheumatic and neuralgic pains, muscular backache, stiff or sore muscles, strains and sprains. **FORNI'S MAGOLO**—alkaline—relieves certain temporary stomach disturbances such as acid indigestion and heartburn.

**MAIL COUPON NOW**

☐ Send this coupon with \$1.00 and your name and address. We will mail you postpaid our "get acquainted" offer: 11 oz. Alpenkräuter and the free 60c value—one trial bottle each of Heil-Oel and Magolo.

☐ C.O.D. (charges added).

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 256 Stanley St., Winnipeg, Man., Can.

**Geese are Hardy Birds, Require Little Grain**

ONE of the hardiest birds on the farm is the goose. Not subject to the diseases which affect chickens and turkeys, geese thrive with little attention. A gosling once hatched is usually another Christmas dinner—and at very low cost.

In addition to their good health, geese have the advantage of being the easiest kind of poultry to feed. They require no special diet beyond an abundance of green feed, and the less grain they are fed, the better.

The domestic goose is no more a grain eater than is the wild goose. Wild geese eat no grain from the time they start north until they begin their return journey, when they sometimes descend eagerly on Canadian grain fields.

Geese need only enough grain to maintain the needs of their bodies. There is no need to give them extra grain to produce eggs as the only present use for goose eggs is to produce goslings. The only time to hatch goose eggs is when the spring breaks.

During the laying season, the goose should be fed some well-cured alfalfa hay, if available, and a wet laying mash such as is prepared for hens.

• • •

**MILK SALES INCREASE**

TOTAL sales of milk in Saskatchewan have increased from 15,256,229 quarts in 1939 to 24,384,224 in 1944, an increase of 59.3 per cent, according to the report of the Saskatchewan Milk Control Board, tabled by Hon. L. F. McIntosh. Although wartime production had increased, said the report, it had not always kept pace with increased demand.

• • •

**Raising Turkeys**

(Continued from page 14)

for two or three days give her from 18 to 20 of your oldest eggs. Be sure to mark on your calendar when she was set as 28 days is the incubation period for turkey eggs. Do not bother her except to make sure that she is staying with her eggs and, of course, that her eggs are staying with her.

About the 26th day inspect her morning and night and any poults that are hatched should be taken away from her but be sure they are kept warm and dry. Continue this until all fertile eggs are hatched. Older eggs may require from 29 to 30 days for complete hatching. About the 29th day test them by a slight shaking to see whether they are rotten or not. Sometimes a weak poult will need a little help from the shell, but do not take them from the hen until quite dry. It is also advisable to keep the coop closed so that the hen will not leave before hatching is completed. She will then be there if you wish to move her.

A GOOD hatch is about fifteen poults per hen. Now move them to a grassy spot protected from high winds and handy for feeding. I have found that a run (constructed of old boards) 8 to 10 feet long, 3 feet wide and 2 to 2½ feet high is ideal to keep the young poults from wandering in the morning dew until they are a little older. Leave one end of the run open and cover the top with chicken or hog wire. Place the open end against the front of your coop. The run should be moved to a clean dry spot about every three days. Clean water should always be provided but be sure that the poults cannot get into it bodily and drown.

When you move the hen be sure to dust her well with a good insect powder. The young poults should be larded on top of the head, under each

wing and just below the vent. This is necessary or the poults may soon die from lice.

**Home on the Range**

Clean water, a reliable commercial poult starter in small feeders, some grain for the hen, a coop, a run 3 feet by 8 feet, wire-covered on a grassy spot are essentials. You should aim to keep your hen thus enclosed for from 3 to 4 weeks; then they may be turned loose on good range. When they are ranging feed them at least twice-a-day with milk-curd, chopped hard-boiled egg, commercial turkey grower. At about six weeks begin to feed chopped wheat soaked in milk.

If turkeys are fed regularly, you can call them long distances, thus keeping pretty good tab on them. When they become older a feed once

a day should be sufficient. Feed them just before sundown so that they will be in your yard and ready to settle down for the night. This will save you considerable worry from marauders.

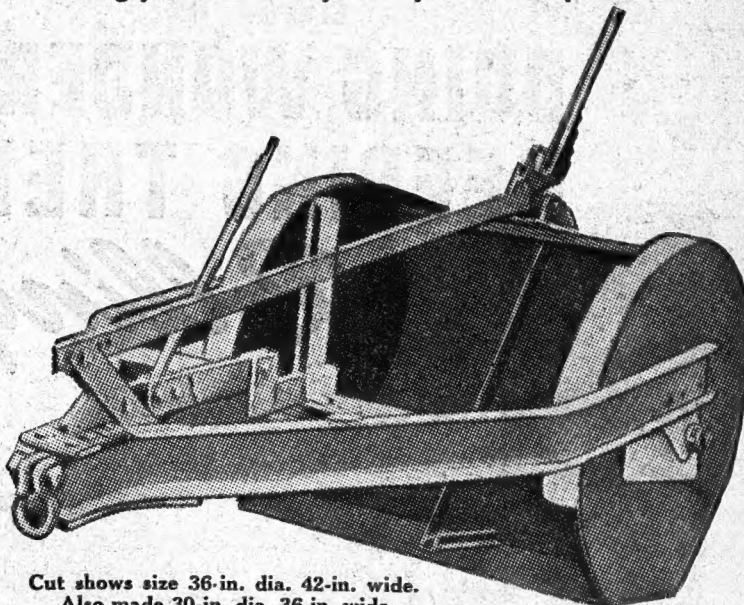
A coop need not be elaborate, merely an inverted V-shaped closed at the back and partly closed at the front. It should be about 2½ feet high and the boards should be tight enough to turn a heavy rain. They can be used year after year so that the time you spend building coops and runs this year will be well worth while.

In a wet season you may lose some poults, but in a dry or even moderate season you should have good luck if you observe the above rules.

Last season I raised 11 1/5 turkeys per hen, not a bad average for a wet season as we had here in Manitoba.

**Save Water!****Save Soil!****SUCCESS ROTARY SOIL MOVER**

**Strongly Built - Easy to Operate - Speeds Work**



Cut shows size 36-in. dia. 42-in. wide.  
 Also made 30-in. dia. 36-in. wide.

Built from heavy steel plate and structural steel sections. Should last for years.

**BUY NOW TO GET EARLY DELIVERY**

Heavy skids on bottom also heavy carrying shoes. Light draft.

**SUCCESS SOIL MOVERS ARE BUILT FOR USE WITH FARM TRACTORS**

**SUCCESS SOIL MOVERS ARE COMPLETELY AUTOMATIC**—The Tractor operator does all. Cutting edge or share is of hard, tough, special steel easily removable for sharpening or replacement.

Move soil or earth quickly and cheaply. Build your dam or dug-out at little cost and in little time—then rent to your neighbors to build their dams and dug-outs.

Tested by the Dominion Government Testing Farm at Swift Current—consult them as to the best size for your purpose.

**HUNDREDS NOW IN USE, GIVING THE UTMOST IN SATISFACTION**

Priced so low that every farmer may possess this valuable piece of equipment. We also manufacture Success Automatic Land Levelers and Ditchers for irrigation farm use.

**WRITE THE COMPANY FOR A PRICE LIST OR CALL WHEN IN MEDICINE HAT**

Sometimes used in winter for cleaning sheds and corrals, also used for land levelling and road repair.

**BUY NOW TO GET EARLY DELIVERY**

**Success Automatic Land Leveller**

**COMPANY, LIMITED**

**MEDICINE HAT - ALBERTA**

Calgary Dealer: **WILLIAMS BROS. LTD., 117 - 10th Ave. W.**



# He's DOING WONDERS KEEPING THEM *Rolling*

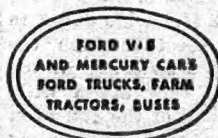


**WHEN** you take your car to your Ford Dealer for service, please bear this fact in mind: there are many thousands of Ford vehicles engaged in essential war transport here in Canada. Ford dealers must stand ready to service and repair these vehicles with the utmost dispatch.

Your Ford dealer wants to service *your* car promptly, too. But when one of these essential trucks or transports comes in his door for urgently needed service, then your car must wait. This may inconvenience you and embarrass the dealer—but war priorities must come ahead of civilian service.

Since all cars on the road are old cars—and steadily getting older—the demands from car owners for service from Ford dealers are steadily multiplying. Though many skilled mechanics are today in the Armed Services, and the manpower shortage makes it difficult to keep mechanics, your Ford dealer is making a valiant effort to service your car, in addition to keeping essential transport rolling.

Your Ford dealer is grateful to you for your patience under today's trying conditions, and will do his utmost to serve you promptly.



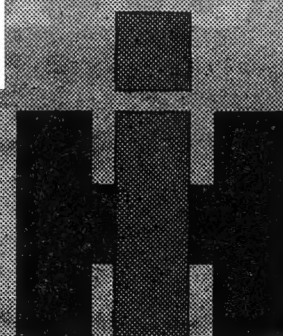
## FORD MOTOR COMPANY OF CANADA, LIMITED





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SYMBOL OF SERVICE TO THE CANADIAN FARMER



INTERNATIONAL  
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## FARMALL— the Key to Farm Production

CANADA'S FARMERS have been able to astound the world because they are mechanized. They have harnessed machines to carry them through the cycle of the seasons—seed-time to harvest-time—and harvest-time back to seed-time.

Power farming has become an integral part of the nation's mechanized might.

This mechanization of the Canadian farm has long been in the making. Twenty-one years ago International Harvester accelerated the advance with the introduction of the Farmall Tractor . . . the *first* all-purpose tractor adaptable to all kinds of farming. It brought the economy and efficiency of power farming to small farms as well as large. With it came equipment developed from the ground up to do specific jobs. Farmall came to mean a system of farming . . . the Farmall System.

Farmall was *FIRST*. Farmall is first today. The vast majority of farmers who farm with power rely on the Farmall System.

PROGRESS is a watchword of the International Harvester dealers and the farmers of the nation. Look to Farmall for leadership in the great power-farming developments to come.

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